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Bulletin 462 July 1959

THE UNIVERSITY OF NEW HAMPSHIRE

AGRICULTURAL EXPERIMENT STATION

Department of Biochemistry

INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the

New Hampshire Department of Agriculture

By H. A. DAVIS and DOROTHY F. ORESTEEN

The University of New Hampshire

Durham, N. H.

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GRANITE STATE PRESS, INC.

INSPECTION OF COMMERCIAL FEEDINGSTUFFS

Made for the
STATE DEPARTMENT OF AGRICULTURE

This bulletin reports the analysis of the official samples of Feedingstuffs submitted by the office of the Commissioner of Agriculture. Certain requirements of the Feedingstuffs Law are pointed out or briefly described. The New Hampshire Commercial Feedingstuffs Law is administered by the Commissioner of Agriculture. All inquiries concerning the law and the registration of feedingstuffs should be addressed to the attention of the Feed Control Supervisor, Department of Agriculture, State House, Concord, New Hampshire. A booklet, "New Hampshire Commercial Feed Law and Rules and Regulations," is available at the above address. A copy should be obtained by each individual or firm expecting to sell feed products in New Hampshire.

In carrying out the provisions of the law during the fiscal year ending June 30, 1959, 693 official samples were collected under the direction of Honorable Perley I. Fitts, Commissioner of Agriculture. The samples were collected by the Control Supervisor, Mr. George H. Laramie, assisted by Mr. Daniel Graham and Mr. Durwood French. All inquiries relating to methods of analysis should be directed to this laboratory.

EXCERPTS FROM THE LAW

and

COMMENTS RELATING TO IT

The New Hampshire Commercial Feed Law, Chapter 226 of the Laws of the State of New Hampshire, conforms closely to the Uniform Feed Bill proposed by the Association of American Feed Control Officials. All persons concerned with the manufacture or use of feedingstuffs should become familiar with the requirements of the law.

REGISTRATION: Each brand of commercial feed offered for sale in the state must be registered with the Feed Control Supervisor. Forms are provided for that purpose or his office in Concord, New Hampshire.

The term "commercial feed" refers to "all materials which are distributed for use as feed for animals, other than man, and for wild birds kept in captivity, except (1) unmixed whole seeds, and meals made directly from the entire seeds, (2) unground hay, and (3) whole or ground straw, stover, silage, cobs and hulls when not mixed with other materials."

The feedingstuff is usually registered by the manufacturer or jobber, whether he is located within or outside the state. Feedingstuffs manufactured in other states are frequently handled by several middle-men before they reach the local distributor. Under the provisions of the law, if the manufacturer or jobber fails to make registration, the dealer is responsible. Dealers who purchase feed for resale should assure themselves that the brands they purchase are properly registered and the license fee paid, otherwise, they must assume that responsibility.

LABELING: The law requires that any commercial feed offered for sale, or sold in this state shall furnish on each package a clearly printed statement certifying:

the number of net pounds in the package
the name and principal address of the person guaranteeing the commercial feed
the name or brand under which the commercial feed is sold
the guaranteed analysis, stating:
    the minimum percentage of crude protein
    the minimum percentage of crude fat
    the maximum percentage of crude fiber
the name of each ingredient contained in the feed.

In special cases, as in mineral feeds and vitamin supplements, requirements as listed in the law must be met. In the case of bulk deliveries, a written or printed statement of the above information shall accompany delivery.

The Association of American Feed Control Officials is an organization of control officials of the various states. At annual meetings mutual problems are discussed and problems worked out so that the requirements of labeling and guarantees among the states may be as uniform as possible. The feed manufacturer attends these meetings and through sincere cooperation the feed consumer will obtain the best feed possible for his livestock. The Association publishes a booklet which is revised each year containing definitions, regulations and other information important to the dealer as well as the consumer of feedingstuffs. The use of this booklet by a manufacturer will enable him to use the correct name of the ingredients in his feed on the tag. An alert purchaser will observe that correct labeling is a mark of a reliable manufacturer. There are no conflicts between the New Hampshire Law and the Model bill recommended by this Association.

THE PURPOSE OF THE FEEDINGSTUFFS LAW

The chief purpose of the feedingstuffs law is to protect the consumer against the inferior products which doubtless would soon appear on the market if the trade were not under state control. The law is primarily a correct-labeling act. It must not be assumed by the purchaser that every brand which meets the manufacturer's guarantee is a high grade feed. The Commercial Feed Law does not prevent the sale of a low-grade feed if it is properly licensed and tagged, and is offered for sale in compliance with the law. It would not be in the public interest to legislate against the sale of the lower-grade by-products. They can be fed profitably if bought at a price adjusted to their feeding value. The law does prevent an inferior feed being offered for sale as a high-grade product.

The dealer, in purchasing feed from the manufacturer, and the consumer in purchasing feed from the dealer, should make the specification that the feed delivered must comply with the New Hampshire Commercial Feed Law. If the feed is not registered; if the protein, fat and crude fiber are not guaranteed; and if the ingredients of which the feed is composed are not plainly stated on the bag or on a tag attached thereto, the purchaser is not protected by the law. He has no recourse under the commercial feed law if the feed he purchases is of inferior quality. If the buyer fails to assure himself that the legal requirements have been met, he accepts the feedingstuffs at his own risk.

TERMS USED IN REPORTING ANALYSIS

The terms, PROTEIN, FAT and CRUDE FIBER appear on the label of a feedingstuff and the percentage shown following each term is the minimum amount of protein and fat and the maximum amount of crude fiber in the feed as guaranteed. These are determined by chemical analysis. In addition it may be desirable to determine the "Moisture" and "ash" content of a feed. The sum of these five determinations subtracted from 100 gives a value called the "nitrogen free extract" "NFE." The "NFE" plus the "crude fiber" gives the "carbohydrate" content.

Brief definitions of these terms follow.

PROTEIN: A group of complex compounds, all containing nitrogen, carbon and oxygen. In certain cases sulfur, phosphorus or iron are also present. Proteins are essential for life. A variety of protein is insured in a feed when the feed contains both plant and animal products. Extensive research has shown that by a proper combination of ingredients a feed containing the proper proteins for growth and production can be supplied. The usual analysis simply determines the total protein present. To determine the type of protein present or its particular effectiveness involves complex and expensive analytical procedures. Simply stated, the protein content of a feed is found by determining the total nitrogen and multiplying that value by the factor 6.25.

FAT: Fat is determined by extracting a dried sample of finely ground feed with ether. The extract contains not only the true fat but other ether soluble substances such as carotene and chlorophyll. These other ether soluble materials are present in very small amounts in most cases and so have little effect on the actual fat content as reported.

CRUDE FIBER: This includes the cellulose and other carbohydrates that are resistant to digestion by the animal. For this reason we are interested in the maximum amount that is in a feed. It has little or no value to the animal eating the material.

MOISTURE: Moisture is the "water" that is in a feed. It is determined by simply drying a portion of the ground sample in an oven at a constant, controlled temperature.

ASH: Ash is the "mineral matter" present in a feed and is found by burning a portion of the sample at a temperature high enough to burn all the carbon out. For comparable results this must be done under controlled conditions.

NITROGEN-FREE EXTRACT: This result includes the more soluble carbohydrates such as sugars, and these materials are valuable in animal nutrition.

The use of drugs, growth stimulants and other special purpose additives in feeds continues to increase. These materials are under very careful control by the Food and Drug Administration and are thoroughly tested before release for general use. Feeds containing these substances must be properly labeled showing what the additive is and the amount.

The analysis of certain drugs in feeds has been undertaken to a greater extent than in previous years. This part of the work is very important from the customers standpoint and more should be done as time and funds permit. The number of feeds analyzed for the ingredient listed is shown below. The results are published in the table indicated in this bulletin.

26 samples for Arsanilic acid, Table IV

27 samples for 3-Nitro 4-hydroxyphenylarsonic acid, Table V

44 samples for Nicarbazin, Table VI

12 samples for Sulfaquinoxaline, Table VII

21 samples for Urea, Table VIII

USE OF FEEDINGSTUFFS

The use of bulk feed deliveries continues to increase. This is a way of cutting feed costs when proper facilities are available for delivery and storage of the feed.

It is not within the scope of this bulletin to make recommendations regarding the use of commercial feedingstuffs. The Department of Dairy Husbandry and the Department of Poultry Husbandry are continually studying feeding problems. The following publications which discuss feeds and feeding from one viewpoint or another are available free of charge to residents of New Hampshire. Requests should be addressed to: Mail Service, University of New Hampshire, Durham.

Ext. Bull. 67 Turkey Production in New Hampshire

Ext. Bull. 114 Feeding Dairy Cattle

Ext. Cir. 282 Dairy Calves

Ext. Cir. 312 Brooding and Rearing Chickens

Sta. Bull. 401 Feed Standards for N. H. Broilers

Sta. Bull. 411 Cobalt Deficiency in N. H. Cattle, Sheep and Goats

Sta. Bull. 419 Effect of Texture on the Nutritive Value of Concentrates for Dairy Cattle

Sta. Bull. 426 Distributing and Handling Grain-Feeds in New Hampshire
I. Characteristics of Milling and Distributing Firms

Sta. Bull. 427 Distributing and Handling Grain-Feeds in New Hampshire
II. Problems in Retail Distribution.

Sta. Bull. 431 Distributing and Handling Grain-Feeds in New Hampshire
III. Improving the Efficiency of the Grain Feeding Operation on Poultry and Dairy Farms

Sta. Bull. 438 The Nutritive Value of Dried Citrus Pulp for Dairy Cattle

Sta. Bull. 456 Restricted Feeding of Growing Pullets

Inquiries occasionally are made regarding a method of calculating the protein, fat, or fiber content of a home-mixed feed. There are tables available, such as those in Morrison's book "Feeds and Feeding," which give the average chemical analysis of feed concentrates, roughage and silages. It should be pointed out that the chemical analysis of a particular lot of an ingredient may be somewhat above or below the average figure shown in the table. This fact must be taken into consideration in fixing guarantees. The following example shows how the protein content of a feed may be calculated:

Ingredients	pounds used	per cent protein in ingredient	lbs. protein furnished by ingredient
Ground Oats	200	12.0	24
Ground Corn	400	8.0	32
Gluten Feed	300	25.0	75
Wheat Bran	400	15.0	60
Linseed Oil Meal	100	34.0	34
Salt	10	----	--
Total Mix	1410 lbs.	contains	225 lbs. protein

The mixture contains $\frac{225}{1410}$ 100 15.95% Protein.

The percentage of fat or fiber may be calculated in a like manner by substituting the fat or fiber figures for those of the protein.

CONFORMITY TO GUARANTEES

The chemical analyses reported in this bulletin were made by methods approved by the Association of Official Agricultural Chemists.

A total of 693 official samples were submitted for analysis. Samples were drawn at retail outlets or at the farm after delivery. Bulk delivery of feed is steadily increasing and a considerable number of bulk lots were sampled. While in most cases only one sample of a brand was drawn, in several instances a brand was sampled two or more times during the year, at different locations if possible.

Table I shows the percentage of samples analyzed each year since 1926 that did not conform to guarantees. Table II lists the analyses of official samples of feed ingredients and mixed feeds. Table III lists the analyses of official samples of dry and canned pet foods. Of the 612 samples reported in Table II 3.4% were deficient less than 0.5% and 5.9% were deficient more than 0.5% in protein; 1.8% were deficient less than 0.25% and 2.8% were deficient more than 0.25% in fat; and 4.7% exceeded the guarantee in crude fiber. Of 81 pet food samples 4.9% were deficient less than 0.25% and 7.4% were deficient 0.5% or more in protein; none were deficient less than 0.25% and 8.6% were deficient more than 0.25% in fat. No sample contained excessive crude fiber.

Results of the analyses made for drugs and urea are listed in tables showing guarantee and found figures.

Table IV Arsanilic Acid

Table V 3-Nitro 4-Hydroxyphenylarsonic acid

Table VI Nicarbazin

Table VII Sulfaquinoxaline

Table VIII Urea

With very few exceptions the guarantee is met within practical and effective limits.

91 samples were drawn from bulk deliveries and 121 samples were drawn at the farm.

81 samples of mixed feed or ingredients represented brands not registered at time of sampling.

21 samples of pet food represented brands not registered at time of sampling.

Samples of lots drawn from bulk deliveries, drawn at farms or not registered at time of sampling are so identified in Tables II and III.

Underline is used when a deficiency of more than 0.5% below guarantee in protein, or more than 0.25% below guarantee in fat or an excess of more than 1.00% above the guarantee in crude fiber occurs.

TABLE I

PERCENTAGE OF SAMPLES ANALYZED IN YEARS
1926-1959 NOT CONFORMING TO GUARANTEES

Year	Per cent below guarantee in Protein		Per cent below guarantee in Fat		Per cent high in Crude Fiber
	Less than 0.5 per cent	0.5 per cent or more	Less than 0.25 per cent	0.25 per cent or more	
1926	8.0	16.0	4.0	10.0	6.0
1927	8.3	16.4	5.8	13.6	5.9
1928	9.1	20.7	4.3	9.3	7.9
1929	9.5	20.2	2.8	9.3	6.5
1930	4.8	13.1	4.0	8.0	3.9
1931	1.8	7.2	5.9	9.7	5.3
1932	1.8	1.4	5.0	8.1	2.8
1933	1.3	3.6	7.5	9.8	3.6
1934	3.0	3.4	3.9	7.1	9.8
1935	2.4	3.0	4.2	8.5	9.9
1936	2.9	5.2	5.5	8.3	12.2
1937	2.8	4.2	3.0	6.0	11.0
1938	2.9	8.1	9.8	10.8	11.5
1939	1.9	3.3	6.8	9.3	8.7
1940	2.9	4.0	6.2	6.7	7.5
1941	1.1	2.6	4.7	6.7	5.6
1942	2.6	3.5	3.7	4.5	7.4
1943	3.7	2.7	7.7	8.6	7.4
1944	8.2	9.0	10.7	19.7	6.9
1945	2.1	6.1	2.9	7.5	7.1
1946	8.6	17.5	2.3	8.9	14.6
1947	4.1	10.2	1.7	4.0	24.7
1948	3.6	3.8	2.3	3.5	13.6
1949	3.5	5.8	2.7	2.8	7.2
1950	4.9	7.3	4.9	5.1	3.2
1951	4.4	7.5	2.7	4.9	4.0
1952	4.3	8.4	3.0	5.8	4.3
1953	4.3	12.7	3.4	6.8	4.4
1954	2.7	6.1	1.7	3.5	3.8
1955	2.8	7.5	2.4	4.5	5.9
1956	3.9	3.9	2.4	6.1	4.0
1957	3.6	4.8	1.2	3.7	3.7
1958	4.7	5.7	1.8	4.1	7.1
1959	3.6	6.0	1.6	3.4	4.2

REQUESTS BY INDIVIDUALS FOR THE ANALYSIS OF FEEDINGSTUFFS

In addition to the official samples of feedingstuffs submitted by the Feed Control Supervisory, the Agricultural Experiment Station each year analyzes some samples drawn by individuals to aid in solving a particular problem. Chemical analysis can aid in certain cases but it should not be expected to answer all questions. A close study of management practices will often answer many problems when the first thing to do seems to be to blame the feed for difficulties in growth or production of livestock. It is suggested that in the case of a difficulty involving feeding that you call in your County Agent, your veterinarian, or the fieldman of your feed supplier to consider your problem. They will then obtain the facts in the case and will determine whether an analysis of the feed will be of help or not.

If a feed sample is mailed or brought to the laboratory, it is essential that the sample drawn, about one pint, put in a clean, tight container, adequately represents the large lot from which it is drawn and that full information concerning the case accompany the sample. If this is not done, it must be supplied before analysis can be made. Because of the cost of laboratory work and materials, the necessity for an analysis is decided upon the basis of information submitted and an opinion obtained as to whether or not an analysis is necessary in the particular case involved. Since this is a state experiment station, this service is available only to residents of the state and no charge is made for occasional work. Many questions that are raised may be satisfactorily answered by correspondence without laboratory work.

Ten samples of feed, hay or silage were examined for residents of the state because of some special problem involving the particular case during the fiscal year.

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff: Protein Guaranteed*	Protein Found	Fat Guaranteed*	Fat Found	Crude Fiber Guaranteed*	Crude Fiber Found
Allied Mills, Inc.							
Chicago, Ill.							
⁄Sucrene 16% Dairy "P"	W. Lebanon	16.00	20.2	2.50	3.6	15.00	11.8
⁄Sugarine 16% Dairy "E"	Manchester	16.00	18.1	4.00	5.7	11.00	9.1
⁄Wayne 22% All Mash Turkey grower (pellets)	Manchester	22.00	22.6	3.50	4.6	6.00	5.3
Wayne Breeder (114) Medicated	Manchester	22.00	22.1	4.00	4.8	4.50	5.4
Wayne Chick Started(113) Medicated	Manchester	20.00	21.9	4.00	4.6	5.50	4.7
Wayne Complete Egg	W. Lebanon	16.00	17.1	3.50	3.9	4.50	4.2
Wayne Complete Egg(131) Med. Krums	Manchester	16.00	16.7	3.50	3.6	4.50	3.8
Wayne 16% Dairy	W. Lebanon	16.00	18.0	3.00	3.1	9.00	7.8
Wayne 20% Dairy	W. Lebanon	20.00	20.0	3.00	3.0	9.00	6.6
Wayne Fitting Ration	W. Lebanon	13.00	15.1	3.00	4.2	8.50	7.8
Wayne Grower	W. Lebanon	20.00	21.2	3.50	4.2	6.50	5.0
Wayne Hog Finisher(765)Medicated	W. Lebanon	12.00	12.8	2.50	4.1	4.50	3.2
Wayne Horse Feed	Manchester	9.00	10.7	2.50	4.0	12.00	7.0
Wayne Medicated H-A-D (170)	W. Lebanon	20.00	20.7	5.00	5.0	4.00	3.4
Wayne Mink Meal	Manchester	20.00	23.3	2.00	3.9	5.00	4.6
Wayne Pullet Developer	W. Lebanon	14.00	15.8	2.50	4.2	9.00	8.5
Wayne Rocket Broiler Finisher (196) Medicated	Manchester	20.00	20.0	5.00	5.7	2.50	2.5
Wayne Sweet Bulky Feed "E"	W. Lebanon	12.00	13.8	1.50	3.1	15.00	11.7
Wayne Tail Curler - Medicated	W. Lebanon	16.00	16.6	3.00	3.5	5.00	4.0
Wayne Test Cow Ration	W. Lebanon	16.00	18.2	4.00	4.4	9.00	8.0
Wayne Universal Breeder(118) Med.	W. Lebanon	16.00	16.6	4.00	5.1	4.00	3.8
Wayne Universal Egg (128)Med. Krums	Manchester	18.00	19.6	4.00	5.1	4.00	4.0
Amalgamated Sugar Co.							
Ogden, Utah							
⁄Molasses Beet Pulp	Lisbon	9.50	9.5	0.20	0.4	18.00	14.5
American Crystal Sugar Co.							
East Grand Forks, Minn.							
Plain Dried Beet Pulp	Lancaster	8.00	8.6	0.30	0.9	22.00	20.3
⁄Plain Dried Sugar Beet Pulp	Lancaster	8.00	8.2	0.30	1.2	22.00	21.3
Archer-Daniels Midland Co.							
Minneapolis 2, Minn.							
**Archer Quality 44% Sol. Ext. Soybean Oil Meal	Claremont	44.00	47.5	0.5	1.0	7.00	6.3
E. R. Bacon Grain Co.							
177 Milk St., Boston, Mass.							
⁄**Bacons Fancy Corn Gluten Feed	Claremont	21.00	23.2	2.00	4.5	10.00	7.5
E. W. Bailey & Co., Inc.							
Montpelier, Vt.							
Bailey's Calf Ration	Colebrook	15.00	15.2	3.00	3.2	7.00	6.7
Bailey's Complete Egg Ration	Colebrook	16.00	16.2	3.50	4.3	7.00	4.7
Bailey's Corn Gluten Feed	N. Haverhill	21.00	21.1	1.00	3.0	10.00	8.5
Bailey's 16% Dairy Ration	Concord	16.00	15.6	3.00	3.8	9.00	6.4
(F)Bailey's 16% Dairy Ration	Woodsville	16.00	16.8	3.00	3.6	9.00	7.3
(F)Bailey's 16% Dairy Ration	Woodsville	16.00	16.2	3.25	3.5	8.00	7.0
Bailey's 20% Dairy Ration	Colebrook	20.00	20.8	3.00	3.1	9.00	7.2
Bailey's D-S-F Medicated	Colebrook	16.00	16.1	3.25	3.4	9.00	7.2
Bailey's Feeds Provender	Lebanon	10.00	10.2	3.50	5.1	8.00	5.6
Bailey's Feeds Scratch Feed	Lebanon	9.00	9.9	2.00	3.1	4.00	3.8
Bailey's Fitting Ration	Concord	14.00	14.1	3.00	4.2	9.00	6.4

* Protein and fat not less than, crude fiber not more than.
⁄ Not Registered When Sampled
(F) Sampled At a Farm
** Sampled from Bulk Shipment

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
E. W. Bailey & Co. - Cont.							
Bailey's Gro-Egg Mix	N. Haverhill	16.00	17.3	4.00	4.0	4.50	4.0
Bailey's Grow-N-Lay	Colebrook	20.00	22.0	3.50	4.0	6.00	6.9
Bailey's Horse Feed	Colebrook	10.00	11.2	3.00	4.2	9.00	7.1
Bailey's 20% Milk Grains	Colebrook	20.00	23.2	3.25	2.9	9.00	7.2
Bailey's Mo-Bulk	N. Haverhill	10.50	11.3	1.00	2.0	15.00	14.0
Bailey's New Englander 16	N. Haverhill	16.00	17.7	2.75	2.8	12.00	8.4
Bailey's New Englander 18	N. Haverhill	18.00	18.9	2.50	3.1	14.00	7.1
Bailey's Pig Grower Medicated	Colebrook	15.00	15.0	3.50	5.2	6.50	6.9
Bailey's Pig Starter Medicated	N. Haverhill	17.00	18.3	3.50	4.0	7.00	6.6
Bailey's Solvent Extracted Soybean Oil Meal	Concord	44.00	45.9	0.50	1.7	7.00	5.2
Bailey's Special 16% Dairy Ration	Colebrook	16.00	17.5	2.50	2.8	10.00	7.2
Bailey's 16% Test Ration	Colebrook	16.00	15.7	3.00	3.5	9.00	7.4
Beacon Milling Co. Cayuga, N. Y.							
Beacon Balancer Pellets	Dover	20.00	20.4	3.00	5.0	6.00	5.5
Beacon Breeder All Mash A Med.	Wolfeboro	17.00	17.7	4.25	4.8	5.00	3.4
Beacon Broiler Finisher	Dover	20.00	20.3	5.00	6.2	4.00	3.0
Beacon Broiler Finisher NCA Med.	Nashua	20.00	20.0	5.00	6.6	3.50	2.8
Beacon Calf Grow	Dover	17.00	17.6	3.00	3.5	9.00	6.8
Beacon Cape-Roaster Finisher GY Medicated	Dover	20.00	20.2	4.50	5.9	4.00	2.8
Beacon C-C Pellets	Dover	15.00	16.1	4.50	11.7	5.00	4.5
Beacon Complete Starter NC Med.	Dover	22.00	23.6	3.50	5.6	5.00	3.4
Beacon Dairy Fitting	Dover	14.00	15.8	3.25	3.7	9.00	7.4
(F)Beacon "16" Dairy Ration	Grasmere	16.00	16.6	3.50	3.5	9.00	5.7
Beacon Hi-Energy Test Pellets	Dover	16.00	16.0	4.00	4.6	8.00	5.9
Beacon Medicated Poultry Mix 2CT	Nashua	20.00	20.1	4.00	5.1	5.75	4.3
Beacon Milk Check"16" Dairy Ration Pellets	Dover	16.00	16.3	3.00	4.0	10.00	10.8
Beacon Milk Check"18" Dairy Ration	Dover	18.00	18.0	3.00	3.5	10.00	9.9
**Beacon Milk Check "20"Dairy Ration	Dover	20.00	20.8	3.00	3.4	10.00	11.2
Beacon Milk Check Fitting Ration	Dover	14.00	14.9	3.00	3.2	10.00	6.1
Beacon Starter-Broiler UN3 Med.	Dover	23.00	23.5	5.00	6.7	4.00	2.8
Beacon Sweet "16" Dairy Ration	Manchester	16.00	17.1	3.50	3.5	9.00	6.7
Beacon "18" Test Cow Ration	Dover	18.00	18.5	4.00	4.2	9.00	6.7
Beacon Turkey & Game Bird Fitting	Manchester	10.00	10.4	2.50	3.5	9.00	4.5
Beacon "22" Turkey and Game Bird Grower	Manchester	22.00	22.2	3.50	4.8	5.75	3.6
Be-Co Breeder	Manchester	16.00	19.5	3.00	4.6	7.00	4.7
Be-Co Breeder	Nashua	16.00	16.2	3.00	4.2	7.00	4.5
Be-Co Breeder A Medicated	Manchester	15.50	17.1	3.00	4.6	8.00	5.3
Be-Co Grower	Dover	14.00	14.9	3.00	4.5	8.00	7.8
Berns & Koppstein, Inc. N. Y., N. Y.							
≠Dried Sugar Beet Pulp	Dover	7.00	8.1	0.30	0.6	24.00	19.2
Brown-Forman Distillers Corp. Louisville, Kentucky							
B-F Corn Distillers Dried Solubles	Bow	24.00	26.5	8.00	6.5	4.00	4.0
Calvert Distillers Ltd. Amherstburg, Ontario							
≠Corn Distillers Dried Grain	Manchester	25.00	25.2	8.00	10.9	13.00	8.6

* Protein and fat not less than, crude fiber not more than.
≠ Not Registered When Sampled
(F) Sampled At a Farm
** Sampled from Bulk Shipment

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Canada & Dominion Sugar Co., Ltd. Chatham, Ontario, Canada							
(F)Dominion Dried Beet Pulp	Woodsville	7.00	7.5	0.30	0.4	22.50	20.7
Dominion Dried Molasses Beet Pulp	Keene	7.00	8.4	0.30	0.5	20.00	18.4
≠Dominion Dried Molasses Beet Pulp	Keene	7.00	7.2	0.30	0.5	20.00	18.6
Canadian Sugar Factories Ltd. Tabor, Alberta, Canada							
Dried Molasses - Beet Pulp	Woodsville	7.00	9.8	0.30	0.4	20.00	16.0
Cargill Inc. Minn., Minn.							
≠Cargill 34% Solvent Ext. Linseed Oil Meal	Claremont	34.00	32.8	0.50	1.2	10.00	8.5
Cargill 44% Protein Soybean Oil Meal	Lancaster	44.00	44.1	0.50	1.5	7.00	6.6
Citrus Feed Co. Lakeland, Florida							
Fosgate's Ace High All Sweet Dried Citrus Pulp	Woodsville	6.00	5.7	3.00	4.4	11.00	10.4
≠Fosgate's Ace High All Sweet Dried Citrus Pulp	Milford	6.00	5.6	2.50	4.0	11.00	11.7
Clinton Corn Processing Co. Clinton, Iowa							
Clinton CFS Concentrate No. 1	Manchester	25.00	25.8	1.00	1.1	9.00	8.5
Cocke and Company Atlanta 3, Georgia							
≠Cocke-Sure Brand 41% Protein Cottonseed Meal	Lancaster	41.00	40.8	3.00	3.5	14.00	11.0
Consolidated Rendering Co. 178 Atlantic Ave., Boston, Mass.							
Corenco 47% Meat & Bone Scrap	Bow	47.00	45.7	6.00	11.0	2.00	1.8
**Corenco 47% Meat & Bone Scrap	Bow	47.00	47.4	6.00	8.9	2.00	2.0
Corenco 47% Meat & Bone Scrap	Claremont	47.00	49.7	6.00	9.6	2.00	2.0
Corenco Poultry By-Product Meal	Manchester	56.00	54.4	6.00	16.7	2.00	1.6
Corn Products Refining Co. N. Y., N. Y.							
Buffalo Brand 21% Protein Corn Gluten Feed	Concord	21.00	22.9	1.00	2.6	10.00	8.9
Diamond Brand Corn Gluten Meal	Concord	41.00	41.6	1.00	3.4	6.00	4.3
Chas. M. Cox Co. Boston, Mass.							
**(F)Wirthmore Breeder Mash	Exeter	20.00	20.5	3.50	4.7	5.50	4.6
**(F)Wirthmore Calving Feed	Amherst	14.00	15.7	3.50	3.9	10.00	8.1
**(F)Wirthmore Complete Breeder Ration	Greenland	15.00	15.9	3.50	4.1	6.00	4.8
**(F)Wirthmore Complete Egg	Laconia	16.00	14.9	3.50	4.2	5.00	4.1
**(F)Wirthmore Complete Growing Ration 409 Medicated	Laconia	13.50	16.1	3.00	4.3	7.00	5.6
**(F)Wirthmore 16 Dairy Record Feed	Amherst	16.00	16.8	3.50	4.2	8.50	8.4
**(F)Wirthmore Grow & Egg Mash	Greenland	20.00	21.5	4.00	4.3	5.00	5.0

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(F) Sampled At a Farm
** Sampled from Bulk Shipment

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
DCA Food Industries, Inc. Ellicott City, Maryland							
/Domaco Winter Wheat Standard Middlings	Greenfield	14.50	14.9	4.25	4.6	7.50	8.8
Dean & Lee Horseheads, N. Y.							
/Pathfinder Complete Breeder	Derry	18.00	22.4	3.00	4.6	6.00	4.4
/Pathfinder Complete Growing	Derry	16.00	18.6	3.00	5.0	5.50	5.3
Pathfinder Complete Layer	Derry	17.00	17.9	4.00	4.5	5.00	4.0
Pathfinder Complete Laying	Derry	17.00	17.8	3.00	4.7	6.00	4.8
/Pathfinder Medicated Hi Energy Pathfinder Super Finisher (4B)	Derry	21.00	23.1	5.00	6.5	3.00	3.0
/Pathfinder Medicated Jumbo Starter-Broiler (4A)	Derry	24.00	26.1	7.00	5.1	3.00	3.0
Pathfinder Super Finisher Med.	Derry	21.00	21.0	5.00	5.0	3.00	2.7
/Pioneer Growing Mash	Derry	20.00	19.3	3.50	4.0	7.50	5.2
Delphos Grain & Soya Products Co. Delphos, Ohio							
44% Protein Soybean Oil Meal (Solvent Extracted)	Bow	44.00	44.8	0.50	1.0	7.00	6.6
Dietrich & Gambrill, Inc. Lewisburg, Pa.							
**(F)All Mash Laying Ration	Laconia	16.00	16.9	4.00	5.0	4.00	3.5
D & G All Mash Grower Medicated	Laconia	15.00	16.2	4.00	4.4	4.00	3.4
D & G Utility Scratch Feed	Laconia	9.00	9.5	2.50	3.1	5.00	3.0
Gambrill's Chick Started Medicated	Laconia	20.00	22.5	4.00	4.3	4.00	2.9
Dougherty Feed Co., Inc. Louisville, Ohio							
Palmo Midds	Bow	15.00	15.7	8.00	7.1	8.00	6.6
Dow Brewery Ltd. Montreal 3, Quebec							
/Dried Brewers' Grains	Manchester	22.00	22.2	7.00	8.3	15.00	15.0
Eastern States Farmers Ex. W. Springfield, Mass.							
(F)Cashmaker Medicated	Manchester	16.00	17.5	4.00	4.8	4.00	3.7
**(F)Choicemaker Medicated	Canterbury	16.00	17.5	4.00	4.7	7.00	5.1
**(F)Choicemaker Medicated (Arsan A)	Concord	16.00	17.0	4.00	4.7	7.00	5.6
Class Leader	Claremont	14.00	14.9	3.50	4.7	8.00	6.7
Dairypels 16	Claremont	16.00	17.7	3.50	4.6	9.00	7.6
/Darimore	Claremont	16.00	17.0	2.00	3.6	14.00	9.8
Darimore	Claremont	16.00	18.5	2.00	3.5	12.00	10.3
Eastern States Alfapels 15% Dehydrated Alfalfa Pellets	Milford	15.00	16.5	1.50	2.9	30.00	29.1
Eastern States All Mash Breeder Medicated	Manchester	16.00	18.1	4.00	4.5	4.00	3.0
Eastern States Broiler Grower Med.	Manchester	22.00	22.8	8.00	8.8	4.00	3.0
Eastern States Calving Ration	Woodsville	13.00	13.7	1.50	2.0	12.00	9.4
Eastern States Champion	Woodsville	14.00	14.7	2.50	2.5	7.00	5.0
E. S. Diethylstilbestrol Mix. Inc'd. in E. S. Beefmix	Dover	32.00	34.1	1.50	2.5	12.00	11.0
**(F)Eastern States Goalmaker Med.	Hillsboro	16.00	16.7	4.00	4.5	4.00	3.0
Eastern States Medicated Defender	Milford	20.00	20.2	4.00	4.8	5.00	4.0

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Eastern States Farmers Ex. Cont.							
Eastern States Medicated Turkey Starter F	Milford	28.00	28.0	3.00	3.9	5.00	3.8
(F)Eastern States Milkmore	Woodsville	16.00	17.9	3.50	3.8	8.00	7.1
(F)Eastern States Milkmore	Woodsville	16.00	16.1	3.50	4.2	8.00	6.7
(F)Eastern States Milksaver	Woodsville	24.00	24.8	1.00	1.4	1.50	0.8
Eastern States Pork Breeder	Woodsville	15.00	15.2	2.50	3.2	8.00	6.2
Eastern States Pork Builder	Woodsville	14.00	14.4	3.00	3.5	4.00	2.8
Eastern States Sweepstakes	Woodsville	16.00	16.0	3.00	3.2	8.00	6.2
Eastern States Turkey Breeder	Milford	16.00	16.6	3.00	4.3	4.00	3.5
Eastern States Turkey Finisher	Milford	16.00	14.3	3.00	4.2	4.00	2.9
Fulpail	Claremont	20.00	22.1	3.00	3.5	8.00	7.6
**(F)Goalmaker Medicated (Arsan. A)	Concord	16.00	17.0	4.00	4.4	4.00	3.5
Matchmaker Medicated	Manchester	22.00	22.0	4.50	5.3	5.00	3.9
/Medicated Lacto-Life	Claremont	16.00	18.6	2.50	3.6	8.00	5.9
Medicated Minuteman-SQ	Claremont	20.00	20.0	4.00	4.7	4.50	3.4
Medicated Sentinel	Manchester	20.00	21.4	4.00	4.6	4.50	3.4
**(F)Milkmore	Concord	16.00	17.5	3.50	4.1	8.00	7.4
/Pacemaker Medicated	Claremont	20.00	21.2	4.00	4.7	4.50	3.4
Pork Gainer Medicated	Claremont	16.00	16.1	5.00	5.5	4.50	3.1
Eckhart Milling Co. Chicago, Illinois							
/Ecko Pure Wheat Bran	Manchester	14.00	16.6	3.50	4.5	12.00	9.6
Elm City Grain Co. Keene, N. H.							
**(F)Elm City 14% Dairy Feed	Walpole	14.00	14.5	3.50	3.7	8.00	7.4
**(F)Elm City 14% Dairy Feed	Walpole	14.00	14.5	3.50	3.7	8.00	6.7
/Elm Tree All Mash Laying	Keene	16.00	15.8	3.50	3.5	4.50	4.2
/Elm Tree Chick Starter (1A) Med.	Keene	20.00	20.1	4.00	4.3	4.50	4.1
/Elm Tree 14% Dairy Feed	Keene	14.00	15.0	3.50	3.6	8.00	8.0
Elm Tree 14% Dairy Feed	Keene	14.00	14.8	3.50	3.9	8.00	6.6
**Elm Tree 14% Dairy Feed	Keene	14.00	14.9	3.50	3.7	8.00	6.3
**(F)Elm Tree 14% Dairy Feed	Walpole	14.00	14.0	3.50	3.8	8.00	9.6
**(F)Elm Tree 14% Dairy Feed	Keene	14.00	13.6	3.50	3.8	8.00	7.6
Elm Tree 16% Dairy Feed	Keene	16.00	16.2	3.50	3.8	9.00	8.5
/Elm Tree 18% Dairy Feed	Keene	18.00	20.3	2.50	3.8	10.00	8.5
/Elm Tree Laying Mash	Keene	20.00	20.0	3.50	3.7	5.00	4.2
Elm Tree Markitop 14% Dairy Feed	Keene	14.00	14.1	3.00	3.6	8.50	8.4
Elm Tree Markitop 16% Dairy Feed	Keene	16.00	16.8	3.00	3.5	8.50	7.9
Elm Tree Markitop 20% Dairy Feed	Keene	20.00	21.5	3.00	3.6	8.50	8.5
**(F)Elm Tree Markitop Hi-Efficiency All Mash Breeder	Walpole	16.00	17.7	4.00	4.1	5.50	5.0
**(F)Elm Tree Markitop Hi-Efficiency All Mash Breeder	Walpole	16.00	16.3	4.00	4.4	5.50	5.6
Elm Tree Markitop Hi-Efficiency Layer	Keene	16.00	16.5	4.00	4.7	5.50	4.8
/Elm Tree Pig & Hog Feed	Keene	14.00	14.9	3.50	3.8	8.00	7.2
Markitop All Mash Breeder	Keene	17.50	17.1	4.00	4.8	5.50	4.8
Elmore Milling Co. Oneonta, N. Y.							
/Elmore Complete Breeder Mash (1A) Medicated	Milford	16.00	16.1	3.00	4.5	5.00	3.8
Elmore Complete Breeder Ration	Derry	16.00	16.2	3.00	3.9	5.00	3.7
/Elmore Complete Growing Ration (1S) Medicated	Milford	16.00	16.4	3.00	4.3	6.00	5.0

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Elmore Milling Co. Cont.							
Elmore Milk Grains 16	Milford	16.00	17.5	3.50	4.2	9.00	8.1
Elmore Pacemaker Fitting Ration 14%	Milford	14.00	19.5	3.00	3.6	9.00	8.8
Elmore Poultry & Turkey Fitting Ration	Milford	12.00	12.0	3.00	3.0	8.00	6.4
⁄Elmore Restricted Grower	Milford	15.00	16.3	3.00	4.2	8.00	6.1
J. W. Eshelman Lancaster, Pa.							
Eshelman's Pennsy Laying Mash	Keene	20.00	21.8	3.50	4.2	7.50	5.9
Eshelman Red Rose Calf Grower	Keene	14.00	16.3	3.00	4.2	8.50	8.3
⁄Eshelman Red Rose Complete Laying Ration	Keene	16.00	15.7	4.00	4.6	4.50	3.7
Eshelman's Red Rose Fitting Ration	Keene	12.00	12.8	3.50	4.0	8.00	6.6
Eshelman's Red Rose Horse Feed	Keene	9.00	9.9	3.00	3.4	10.00	6.3
Eshelman's Red Rose Rabbit Pellets	Keene	18.00	20.1	3.00	3.8	10.00	9.7
Farm Bureau Association Waltham, Mass.							
**(F)Farm Bureau Brand 16% Dairy Ration "Fine"	Mt. Vernon	16.00	17.5	3.50	3.8	8.00	5.4
(F)Farm Bureau Brand 16% Dairy Ration "Fine"	Mt. Vernon	16.00	17.5	3.50	3.9	8.00	6.0
Farm Bureau Coop. Assoc., Inc. Columbus, Ohio							
Dehydrated Alfalfa Meal	Keene	17.00	17.3	1.50	1.8	27.00	25.9
Farmers Feed Co. N. Y., 21, N. Y.							
Bull Brand Brewers Dried Grains	Claremont	26.00	27.6	6.00	7.6	17.00	13.9
Farmers Grain & Feed Co. Morrisville, Vt.							
Fortress 16% Dairy	Lancaster	16.00	17.5	3.00	3.6	9.00	8.3
Windsor Special 16% Dairy	Newport	16.00	17.0	3.00	3.3	9.00	7.6
Ferneau Grain Co. Blanchester, Ohio							
⁄Corn Distillers Dried Grains	Manchester	26.00	28.5	8.00	10.9	14.00	11.6
Flambeau Milling Co. Phillips, Wisconsin							
⁄Pulverized White Oats WGS	Keene	10.00	10.0	2.50	3.0	15.00	14.1
Florida Citrus Canners Corp. Lake Wales, Fla.							
Lake Wales Brand Citrus Pulp	Haverhill	6.00	6.2	2.00	2.3	16.00	11.0
Fowler Brothers, Inc. Suncook, N. H.							
Sun Valley Dairy Ration	Suncook	16.00	16.6	3.50	3.4	9.00	9.9
Sun Valley 16% Dairy Ration	Suncook	16.00	17.3	3.50	3.5	9.00	10.5
Sun Valley Fitting Ration	Suncook	14.00	16.2	3.50	3.7	9.00	10.1
Sun Valley Fitting Ration	Suncook	14.00	15.3	3.50	3.5	9.00	10.1
Sun Valley Hi-Energy All Mash Breeder	Suncook	15.00	15.2	3.00	4.1	4.50	4.1

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Fowler Brothers, Inc. Cont.							
Sun Valley Hi-Energy Starter and Broiler Mash (Med. Nic.)	Suncook	20.00	20.7	3.00	3.6	4.00	4.0
General Mills, Inc.							
Detroit 35, Mich.							
/Gold Medal Broiler Finisher (GC-AGS) Medicated	Laconia	20.00	21.5	3.00	3.4	3.00	2.6
Larro All Purpose Poultry Wormer	Exeter	20.00	20.2	3.50	4.1	5.50	4.5
Larro Poultry Surehatch Complete "H-E"	Exeter	16.00	16.9	3.50	3.8	5.00	3.8
Larro Poultry Surehatch Complete "H-E" (.00275 FRZ) Med.	Exeter	16.00	17.9	3.50	3.9	5.00	3.7
Larro Poultry Surehatch "H-E" (.0055 FRZ) Med.	Exeter	20.00	19.1	3.50	4.1	5.50	5.1
Larro Poultry Surehatch "H-E" (.0055 FRZ) Med.	Exeter	20.00	21.4	3.50	3.8	5.50	5.5
Larro Surebroiler Caponette 20 (GC-AGS) Med.	Exeter	20.00	20.2	2.50	3.6	3.00	3.0
Larro Surebroiler Caponette 20 (.0125 NCB-AGS) Med.	Exeter	20.00	20.5	2.50	3.3	3.00	3.0
Larro Surebroiler Finisher (NCB-AGS) Medicated	Exeter	20.00	20.0	3.50	3.5	3.00	2.9
Larro Surebroiler Finisher 23 (.0125 NCB-AGS) Med.	Exeter	23.00	23.3	6.5	6.9	3.00	3.0
Larro Surebroiler Finisher 23-X (.0125 NCB-AGS) Med.	Exeter	23.00	24.0	9.00	8.9	3.00	2.8
Larro Surebroiler Starter (NCB-AGS) Medicated	Laconia	23.00	25.0	3.50	3.5	3.00	2.4
Larro Surebroiler Starter 26 (.0125 NCB-AGS) Med.	Exeter	26.00	27.1	6.50	6.8	2.50	2.7
Larro Surechick (NCB) Medicated	Exeter	20.00	20.5	3.50	3.5	5.00	3.9
Special Surechick (.0125 NCB) Med.	Exeter	20.00	20.3	3.50	3.6	5.00	4.3
Larro Suregrow Complete "H-E" (GC) Medicated	Exeter	16.00	16.0	3.50	4.1	5.50	5.8
Larro Suremilk 16	Exeter	16.00	17.8	3.00	3.3	9.00	7.5
Larro Suremilk 20	Exeter	20.00	20.9	3.00	3.2	9.00	7.5
Larro Sureroaster Complete (GC) Medicated	Exeter	18.00	18.4	4.00	4.4	3.00	3.0
Medicated Larro Poultry Surelift	Exeter	27.50	28.5	5.50	5.8	3.00	2.8
Medicated Larro Surelift	Exeter	16.00	20.6	3.00	4.0	3.50	3.5
Great Western Sugar Co.							
Denver, Colorado							
G. W. Dried Beet Pulp and Condensed Beet Solubles	Woodsville	13.50	15.4	----	---	20.00	19.1
Hales & Hunter Co.							
Chicago, Illinois							
/Pioneer Calf Starter	Lebanon	18.00	18.9	2.50	3.2	7.00	4.7
/Pioneer Dairy Fitting Feed	Lebanon	14.00	16.7	3.00	3.0	9.00	6.9
Pioneer Dairy Production 16	Lebanon	16.00	17.5	3.00	3.3	8.00	7.4
/Pioneer Dairy Production 18	Lebanon	18.00	18.2	3.00	3.2	8.00	6.5
Pioneer Dry and Freshening	Lebanon	12.00	13.6	2.50	3.3	8.00	7.2
/Pioneer Horse Feed	Lebanon	12.00	12.7	2.50	3.7	8.00	6.5
/Red Comb Chick Starter Z Med.	Lebanon	20.00	19.7	3.50	4.8	6.00	5.1
/Red Comb Complete Grower Med.	Lebanon	15.00	16.7	3.00	5.2	6.50	5.9

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Hales & Hunter Co. Cont.							
≠Red Comb Complete Layer	Lebanon	17.00	18.7	3.50	4.5	5.50	4.6
≠Red Comb Egg Mash	Lebanon	20.00	22.2	3.50	5.0	6.50	5.4
Harper Feed Mills							
Washington, Pennsylvania							
Harco Breeder Mash	Derry	22.00	22.2	4.00	4.2	5.00	4.3
≠Harco Growing Mash-GL Med.	Derry	18.00	20.5	3.50	3.6	5.50	4.9
Hayward Inc.							
Oak Harbor, Ohio							
Haywards Dehydrated Alfalfa Meal	Concord	17.00	17.4	1.75	3.3	27.00	23.6
H. P. Hood & Sons							
Dunedin, Florida							
Hood Citrus Pulp	Haverhill	6.00	6.1	2.75	4.6	15.00	11.5
Dried Skim Milk	Concord	28.00	29.8	0.75	0.9	----	---
E. C. & W. L. Hopkins, Inc.							
Greenfield, N. H.							
Chlortetracycline Mixture in Granite State Booster Med.	Hillsboro	20.00	21.2	3.00	3.9	4.00	3.1
**(F)Granite State Broiler Mash Pellets Medicated	Tilton	22.00	22.1	5.50	5.7	4.00	3.4
Granite State Complete Mash	Hillsboro	15.00	16.6	3.00	3.9	7.00	4.7
Granite State 16% Dairy Feed	Greenfield	16.00	17.4	3.50	3.8	9.00	7.2
Granite State 20% Dairy Feed	Greenfield	20.00	20.4	3.50	3.5	10.00	6.3
Granite State Egg Mash	Hillsboro	20.00	20.1	4.00	4.0	7.50	5.7
Granite State Fitting Ration	Hillsboro	14.00	15.8	3.00	3.9	8.00	5.7
Granite State Grow-Egg Mash	Hillsboro	20.00	20.1	4.00	3.4	7.50	5.1
Granite State Growing Mash	Hillsboro	19.00	22.0	3.00	3.7	8.00	5.9
**(F)Granite State High Energy Breeder Mash	Hillsboro	16.00	18.7	3.00	4.2	4.00	2.6
Granite State High Energy Grow-Laying Mash	Hillsboro	16.00	16.7	3.00	4.5	4.50	2.6
Granite State High Energy Growing Mash	Nashua	16.00	17.5	3.00	4.8	4.00	3.2
Granite State High Energy Growing Mash	Greenfield	16.00	17.6	3.00	4.7	4.00	3.4
**(F)Granite State High Energy Laying Mash	Hillsboro	16.00	16.7	3.00	4.6	4.50	2.7
Granite State Hog Ration	Hillsboro	17.50	19.1	3.00	5.1	7.00	5.0
Granite State Horse Feed	Claremont	10.00	10.4	3.00	3.4	8.00	4.1
Granite State Intermediate Scratch	Hillsboro	10.00	10.2	2.50	3.1	5.00	1.6
Granite State Medicated Booster	Hillsboro	20.00	20.1	3.00	3.6	4.00	3.4
Granite State Scratch Grains	Suncook	10.00	10.5	2.50	2.8	5.00	2.9
The Hubinger Co.							
Keokuk, Iowa							
Ke OK UK Brand 21% Protein Corn Gluten Feed	Keene	21.00	22.6	1.00	1.9	10.00	7.2
Humphrey's-Godwin Co.							
Memphis, Tennessee							
Dixie Brand 41% Cottonseed Meal	Keene	41.00	38.8	3.00	3.8	14.00	9.3

* Protein and fat not less than, crude fiber not more than.
≠ Not Registered when Sampled
(F) Sampled at a Farm
** Sampled from Bulk Shipment

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
International Milling Co. Minn., 2, Minn.							
Blackhawk Wheat Bran with GWS	Woodsville	13.50	15.0	2.50	3.8	12.00	12.0
Blackhawk Wheat Standard Middlings/ GWS	Manchester	14.00	16.8	3.00	5.2	9.50	7.3
Target Wheat Red Dog	Bow	15.00	15.8	2.00	3.5	4.00	3.0
R. P. Johnson & Son Potter Place, N. H.							
High Efficiency Layer	Potter Place	15.00	14.4	3.00	4.0	4.50	3.5
Johnson's Complete Laying Mash	Potter Place	15.00	16.1	3.00	4.0	8.00	5.4
Johnson's Dairy Feed	Potter Place	16.00	19.1	3.00	3.3	9.00	7.0
Johnson's 14% Fitting Ration	Potter Place	14.00	14.4	2.50	3.6	8.50	6.8
Johnson's Growing Mash	Potter Place	14.00	17.2	3.00	4.0	7.00	5.5
Johnson's Laying Mash	Potter Place	18.00	20.1	4.00	4.0	8.00	5.8
Kellogg Sales Co. Battlecreek, Michigan							
/Kellogg's Hominy Feed	Lancaster	9.50	9.9	6.00	7.4	5.00	3.2
/Kellogg's Hominy Feed	Potter Place	9.50	10.5	6.00	9.4	5.00	3.6
Keystone Dehydrators Nazareth, Pennsylvania							
Keystone Dehydrated Super Green Alfalfa Meal	Greenfield	17.00	17.3	2.00	2.2	27.00	27.8
L. B. Lovitt & Co. Memphis, Tennessee							
"Lovit Brand" 41% Protein Cotton-seed Meal	Lancaster	41.00	41.0	3.00	5.3	14.00	10.9
Maine Marine Products, Inc. Portland, Maine							
Maine Concentrate	Bow	50.00	55.1	12.00	16.6	1.00	0.3
/Maine Concentrate	Suncook	50.00	54.9	12.00	19.4	1.00	0.3
Maine Sea Horse Fish Concentrate	Bow	60.00	62.3	12.00	10.8	1.00	0.3
Maine Sea Horse Fish Concentrate	Bow	60.00	64.7	12.00	10.7	1.00	0.2
/Quality Fish Meal	Manchester	60.00	66.2	7.00	18.7	1.00	0.2
Quality Fish Meal	Manchester	60.00	61.2	7.00	13.8	1.00	0.2
Maine Reduction Co., Inc. Brooks, Maine							
Hydrolized Feather Meal with Blood Added	Manchester	85.00	86.2	1.00	2.5	3.00	0.5
Manitoba Sugar Co. Winnipeg, Manitoba, Canada							
Dried Beet Pulp	Woodsville	7.00	8.7	0.30	0.4	22.50	19.0
G & M Mann Hay Co. Gothenburg, Nebraska							
/13% Suncured Alfalfa Meal	Keene	13.00	13.4	1.50	1.3	33.00	29.9
Maritime Milling Co., Inc. Buffalo, N. Y.							
B-B Horse Feed	Plymouth	9.00	12.1	3.00	3.7	10.00	7.2
/B-B Pure Corn & Oats Half & Half ground	Plymouth	10.00	11.2	3.00	4.5	7.00	7.3

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(F) Sampled at a Farm
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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Maritime Milling Co., Inc. Cont.							
Hi-Test Hog Feed	Rochester	14.00	17.6	3.50	4.1	8.00	7.2
Super Maco Broiler Ration (Med.)	Nashua	24.00	24.9	6.00	6.5	2.50	2.2
Merrimack Farmers Ex., Inc. Concord, N. H.							
**(F)Merrimack All Mash	Laconia	15.00	16.1	3.50	3.6	7.00	5.1
(F)Merrimack All Mash	Manchester	15.00	16.5	3.50	4.0	7.00	3.5
**(F)Merrimack All Mash	Walpole	15.00	15.3	3.50	3.9	7.00	5.8
Merrimack All Mash (Med.)	Bow	15.00	15.2	3.50	4.5	7.00	5.6
Merrimack Blue Ribbon 16% Dairy Ration	Bow	16.00	15.7	3.50	3.6	9.00	5.6
Merrimack Breeder Mash	Rochester	20.00	20.1	3.00	3.8	4.50	4.0
Merrimack Calf Growing Ration	Plymouth	12.00	14.6	2.75	3.7	12.00	7.6
Merrimack Calf Meal	Claremont	20.00	20.2	4.50	4.5	7.00	4.1
Merrimack Calf Starter	Plymouth	24.00	26.2	1.00	1.6	1.50	0.8
Merrimack Chick Starter	Bow	20.00	20.3	2.50	4.0	6.00	5.1
Merrimack Chick Starter (Med.)	Milford	20.00	20.8	2.5	3.8	6.00	4.8
**(F)Merrimack Complete Grower Layer	Franklin	16.00	17.5	3.00	4.1	7.00	4.8
Merrimack Complete Grower Layer (Med.)	Bow	16.00	16.3	3.00	4.1	7.00	4.0
Merrimack 16% Dairy Ration	Claremont	16.00	17.5	3.50	4.4	9.00	8.6
(F)Merrimack 16% Dairy Ration	Glencliff	16.00	21.7	3.50	3.7	9.00	8.0
**(F)Merrimack 16% (Fine) Dairy Ration Pelleted	Plymouth	16.00	19.5	2.75	5.1	10.00	8.2
**(F)Merrimack 20% Dairy Ration	Henniker	20.00	16.0	3.50	3.7	8.50	5.9
Merrimack Extra Production Super Mash (Med.)	Laconia	16.00	16.0	2.50	3.8	4.50	4.3
Merrimack Extra Production Super Mash (Med.)	Bow	16.00	16.5	2.50	3.5	4.50	4.4
Merrimack Fast-Gro Starter & Broiler Med.	Milford	20.00	19.3	3.00	3.7	4.50	3.4
**(F)Merrimack 14% Fitting Ration	Henniker	14.00	14.6	3.50	4.4	9.00	6.5
**(F)Merrimack 14% Fitting Ration	Holderness	14.00	15.9	3.50	4.0	9.00	6.1
Merrimack Fodder Ration	Claremont	12.00	13.1	1.50	3.0	20.00	11.7
Merrimack Grower-Layer	Milford	20.00	20.8	3.00	3.9	4.50	4.0
**(F)Merrimack Hi-F Grower Layer	Franklin	16.00	17.5	2.50	3.6	4.50	3.4
**(F)Merrimack Hi-F Grower Layer	Barnstead	16.00	17.6	2.50	4.4	4.50	3.6
**(F)Merrimack Hi-F Grower Layer	Mt. Vernon	16.00	21.4	2.50	3.7	4.50	3.5
**(F)Merrimack Hi-F Grower Layer	Mt. Vernon	16.00	17.4	2.50	3.8	4.50	3.3
Merrimack Hi-F Grower Layer (Med.)	Bow	16.00	16.0	2.50	3.8	4.50	3.6
Merrimack Hi-Pro-Vite Pellets	Rochester	25.00	25.5	2.50	3.7	5.50	3.7
Merrimack Hominy Feed	Bow	9.00	11.2	5.00	5.9	7.00	6.4
Merrimack Horse Feed	Claremont	11.00	13.1	3.25	3.6	10.00	6.7
Merrimack Medicated High-Level Antibiotic Mash (C-P)	Milford	20.00	21.4	2.50	3.5	4.50	3.7
Merrimack Medicated High Level Antibiotic Mash (C-P)	Milford	20.00	20.5	2.50	3.5	4.50	3.7
Merrimack 12% Pasture Ration	Claremont	12.00	14.5	3.00	3.3	10.00	7.6
**(F)Merrimack Pig Feed	Brentwood	17.00	18.5	3.00	4.2	7.00	7.3
Merrimack Poultry Fitting Ration	Bow	13.50	15.3	2.50	3.3	8.00	4.7
Merrimack Provender	Plymouth	9.00	10.5	3.00	4.1	10.00	5.2
Merrimack Rabbit Pellets	Laconia	20.00	21.8	2.25	3.0	12.00	10.3
Merrimack Scratch Feed	Claremont	9.00	9.1	2.50	3.2	5.00	2.0
Merrimack Sheep and Goat Ration	Bow	14.00	14.5	2.50	2.9	9.00	6.7
**(F)Merrimack 18% Special Dairy Ration	Laconia	18.00	19.9	3.50	4.4	8.50	7.4

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Merrimack Farmers Ex. Cont.							
Merrimack Stock Feed	Plymouth	9.00	11.3	2.50	3.5	12.00	10.2
**(F)Merrimack Super Mash	Concord	16.00	15.1	2.50	4.0	4.50	4.4
**(F)Merrimack Super Mash	Concord	16.00	17.3	2.50	3.8	4.50	4.0
Merrimack Turkey Growing Mash(Med)	Bow	22.00	22.6	2.50	3.3	4.50	3.5
**(F)Merrimack White Mountain Dairy	Bradford	16.00	16.6	3.00	4.0	10.00	9.4
**(F)Merrimack White Mountain Dairy	Walpole	16.00	17.1	3.00	3.5	10.00	8.4
**(F)Merrimack White Mountain Dairy	Claremont	16.00	17.8	3.00	3.9	10.00	9.2
**(F)Merrimack White Mountain Dairy	Loudon	16.00	16.4	3.00	3.3	10.00	8.7
**(F)Merrimack White Mountain Dairy	Laconia	16.00	17.0	3.00	3.4	10.00	8.2
**(F)Merrimack White Mountain Dairy	Keene	16.00	18.7	3.00	3.3	10.00	8.4
**(F)Merrimack White Mountain Dairy	Walpole	16.00	16.5	3.00	3.9	10.00	8.3
**(F)Merrimack White Mountain 20% Dairy Ration	Henniker	20.00	21.1	3.00	3.4	8.50	9.9
**(F)Merrimack 20% White Mountain Dairy	Henniker	20.00	21.7	3.00	3.6	10.00	9.8
Merrimack Worm Control Mixture	Bow	15.00	15.2	3.00	4.3	5.75	4.0
Sweetened Oat Mill By-Product	Bow	3.00	3.3	1.00	1.2	30.00	27.6
Bill Merritheu Co. Minn. 16, Minn. /Dried Beet Pulp	Manchester	7.00	8.6	0.30	0.8	22.50	20.6
Michigan Sugar Co. Saginaw, Michigan /Dried Beet Pulp	Lebanon	7.00	12.7	0.3	0.6	22.50	20.7
Miner-Hillard Milling Co. Wilkes-Barre, Pennsylvania Choice Steam Cooked Hominy Feed	Suncook	10.00	9.1	5.00	4.0	5.00	3.6
Minnesota Linseed Oil Co. Minneapolis, Minnesota /34% Protein Solvent Extracted Linseed Oil Meal	Keene	34.00	34.8	0.50	1.9	10.00	9.5
Minute Maid Corp. Orlando, Florida Golden Isle Citrus Pulp	Claremont	5.50	6.0	2.75	4.3	15.00	10.0
Molson's Brewery Montreal, Canada /Dreche Molson's Brewers Dried Grains	Manchester	22.00	22.9	7.00	6.0	15.00	14.0
Mowat, Wilson & Co. Detroit, Michigan Dried Beet Pulp	Laconia	7.00	7.8	0.30	0.7	22.50	20.9
National Alfalfa Dehydrating & Milling Co. Lamar, Colorado /National Dehydrated Alfalfa Meal	Suncook	17.00	17.8	1.50	2.8	27.00	23.1
/15% Protein-Pellet Form Dehydrated Alfalfa Meal	Manchester	15.00	15.9	1.50	2.4	30.00	27.5

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Northern Ohio Sugar Co. Findlay, Ohio							
G. W. Dried Beet Pulp	Claremont	8.00	8.3	0.00	---	22.50	21.1
Ogden Grain Co. Utica, N. Y.							
Ogden Complete Starter Grower Layer Breeder	Manchester	16.00	15.6	3.00	4.0	6.50	5.4
Ogden Laying Mash	Manchester	20.00	19.1	3.00	4.0	6.00	5.9
Ogden Rabbit Pellets	Manchester	18.00	18.0	3.00	3.6	12.00	10.8
Ogden Scratch Grains	Manchester	9.00	9.3	3.00	3.0	6.00	2.4
Ogden Super Pig Ration	Manchester	14.00	14.4	3.50	4.2	7.00	5.4
Park & Pollard Co. Buffalo, N. Y.							
/Go-Tu-It Pig Starter	Colebrook	16.00	18.9	3.00	4.2	6.00	4.0
Green Acres 14%	Colebrook	14.00	15.9	3.00	4.4	12.00	9.4
/Hi-Prime Complete Turkey Finisher	Lancaster	14.00	16.3	3.00	3.7	4.50	5.3
(F)Lay or Bust Complete Chick Starter Med.	Claremont	21.00	21.8	3.50	4.3	4.50	4.0
Lay or Bust Complete Grower & Layer	Hillsboro	16.00	16.9	4.00	5.1	5.50	5.4
(F)Lay or Bust Growing & Laying Mash	Newport	20.00	19.4	4.00	4.4	6.00	4.1
(F)Lay or Bust Growing & Laying Mash	Newport	20.00	20.6	4.00	4.0	6.00	4.9
(F)Lay or Bust Growing & Laying Mash	Newport	20.00	19.3	4.00	4.1	6.00	4.6
Lay or Bust Growing & Laying Mash	Newport	20.00	20.0	4.00	4.3	6.00	4.7
Lay or Bust Hi-Valu Pellets	Hillsboro	12.00	13.3	3.00	3.8	6.00	5.2
Medicated Super Lay or Bust T. N. T.	Hillsboro	22.00	22.9	3.00	3.6	3.00	2.4
Milk Maid Calf Starter	Lancaster	19.00	20.2	3.00	3.3	8.00	4.8
Milk Maid 16% Dairy Ration	Haverhill	16.00	15.5	4.00	4.6	9.00	8.2
Milk Maid 20% Dairy Ration	Berlin	20.00	20.2	4.00	4.0	9.00	7.2
Milk Maid Fitting Ration	Berlin	14.00	14.8	3.00	4.2	9.00	7.3
Milk Maid 18% Test Ration	Haverhill	18.00	17.6	5.00	5.1	9.00	8.4
Park & Pollard 20% Dairy	Berlin	20.00	20.1	4.00	3.9	10.00	8.5
(F)Park & Pollard Economy Scratch	Newport	9.00	9.8	2.00	3.2	4.50	3.2
Park & Pollard Go-Tu-It Pig Grower	Hillsboro	16.00	16.2	3.00	5.3	6.00	5.2
Park & Pollard Hi-Speed Horse Feed	Berlin	12.00	13.2	3.00	2.8	9.00	6.0
/Phenothiazine & Nicotine Mixture in Lay or Bust D-Wormer	Plymouth	18.00	18.4	2.75	3.8	6.50	5.2
Red Ribbon 16% Dairy Ration	Lancaster	16.00	16.0	3.00	3.5	12.00	10.8
Red Ribbon 16% Dairy Ration	Rochester	16.00	16.3	3.00	4.7	12.00	9.6
Red Ribbon 20% Dairy Ration	Lancaster	20.00	24.7	3.00	4.3	12.00	9.4
Super Hi-Power Broiler Finisher Med.	Plymouth	21.00	21.6	6.00	6.6	2.50	2.3
Super Hi-Power Broiler Finisher Med. 125-AR-G	Rochester	21.00	25.7	6.00	6.6	2.50	2.4
Super Lay or Bust All Mash Breeder	Lebanon	18.00	20.9	4.00	5.3	4.00	3.7
Super Lay or Bust All Mash Grower and Layer	Colebrook	17.00	18.4	4.00	4.6	4.50	4.5
Super Lay or Bust Chick Starter Med. 100-G	Haverhill	21.00	22.3	4.00	4.9	4.00	3.5
Super Lay or Bust Egg Mash	Berlin	21.00	22.3	4.00	4.5	4.50	4.5
Super Lay or Bust Growing Feed	Berlin	20.00	22.2	4.00	4.5	4.50	4.3
Parrish & Heimbecker Ltd. Canada							
/"Parrheim" Brewers Dried Grains	Bow	24.00	24.7	7.00	6.6	18.50	15.3
/"Parrheim" Brewers Dried Grains	Bow	24.00	24.8	7.00	6.5	18.50	13.5

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Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff: Protein Guaranteed*	Protein Found	Fat Guaranteed*	Fat Found	Crude Fiber Guaranteed*	Crude Fiber Found
Pierce Grain Corp.							
Buffalo, N. Y.							
(F)16 Reliance Dairy Ration	Colebrook	16.00	16.4	3.50	3.6	9.00	9.6
(F)20 Reliance Dairy Ration	Colebrook	20.00	20.4	3.00	3.1	9.00	7.7
(F)Superior Fitting Ration	Colebrook	14.00	15.2	3.50	3.7	9.00	9.0
Presto Grain Co.							
Claremont, N. H.							
**(F)Presto Chick Starter (1A)Med.	Newport	20.00	19.2	3.50	3.6	5.50	4.1
**(F)Presto 16% Dairy	Claremont	16.00	17.5	3.00	4.2	9.00	6.2
**(F)Presto 16% Dairy	Charlestown	16.00	16.0	3.00	3.6	9.00	6.4
Presto 16% Dairy Ration	Claremont	16.00	17.2	3.00	3.8	9.00	6.6
Presto 16% Dairy Ration	Claremont	16.00	17.1	3.00	3.4	9.00	6.2
(F)Presto 20% Dairy	Unity	20.00	21.4	3.00	3.7	9.00	6.3
Presto 20% Dairy Ration	Claremont	20.00	21.1	3.00	3.8	9.00	6.3
Presto 20% Dairy Ration	Claremont	20.00	21.7	3.00	2.8	9.00	6.0
Presto Fitting Ration	Claremont	14.00	16.0	3.00	4.1	9.00	5.5
Presto Fitting Ration	Claremont	14.00	15.0	3.00	3.6	9.00	5.9
Presto Fitting Ration	Claremont	14.00	15.8	3.00	5.6	9.00	6.1
Presto High Energy All Mash Layer & Grower	Claremont	16.00	16.9	3.50	3.9	4.50	4.9
**(F)Presto High Energy All Mash Layer & Grower	Newport	16.00	16.6	3.50	3.7	4.50	4.5
**(F)Presto High Energy All Mash Layer & Grower	Claremont	16.00	16.6	3.50	3.9	4.50	4.3
Presto High Energy All Mash Layer & Grower	Claremont	16.00	16.7	3.50	3.5	4.50	4.5
Presto Pig Grower	Claremont	14.00	14.8	3.50	3.8	7.00	7.0
Presto Pig Grower	Claremont	14.00	17.1	3.50	3.6	7.00	4.9
Quaker Oats Co. Ltd.							
Peterborough, Ontario, Canada							
/Bell Cow Wheat Bran	Keene	15.00	17.3	3.50	4.3	11.50	10.2
/Peterborough Oat Mill By-Product	Bow	2.50	3.4	1.00	1.2	32.00	31.9
Ralston Purina Co.							
St. Louis, Missouri							
Purina B & M Cow Chow D	Exeter	16.00	16.1	2.50	3.1	10.00	5.8
Purina Breeder Lay Chow E	Exeter	23.00	23.3	4.00	4.4	5.00	4.5
**(F)Purina Breeder Layena	Concord	16.50	16.8	4.00	4.7	4.50	3.8
Purina Breeder Layena (complete Ration) E	Concord	16.50	16.5	4.00	4.9	4.50	3.3
Purina Breeder Layena (complete Ration) E	Manchester	16.50	16.6	4.00	5.3	4.50	3.8
(F)Purina Breeder Layena (complete Ration) E	Kingston	16.50	16.0	4.00	4.8	4.50	3.8
Purina Broiler Chow Finisher (E) 3 NC Med.	Nashua	20.00	20.1	5.00	7.5	4.50	2.3
Purina Broiler Chow Starter (E) 3 NC Med.	Nashua	23.00	24.2	5.00	8.2	4.50	2.8
Purina Bulky Las	Manchester	10.00	10.9	1.50	1.8	15.00	13.6
Purina Chick Growena	Manchester	17.00	17.2	3.00	4.7	7.00	4.5
Purina Chick Growena NC Med.	Exeter	17.00	17.1	3.00	4.1	7.00	5.2
/Purina Chick Startena NC Med.	Manchester	23.00	23.6	2.50	3.6	7.00	4.6
Purina Chick Startena UN Med.	Manchester	20.00	20.2	2.50	3.9	7.00	4.6
Purina Cow Chow D 16%	Concord	16.00	16.2	2.50	2.8	8.00	4.0
Purina Cow Chow D 16%	Manchester	16.00	16.8	2.50	2.5	8.00	5.2
Purina Cow Chow D 20%	Exeter	20.00	20.5	2.50	2.6	8.00	4.5

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Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff: Protein Guaranteed*	Protein Found	Fat Guaranteed*	Fat Found	Crude Fiber Guaranteed*	Crude Fiber Found
Ralston Purina Co. Cont.							
Purina D & F Chow	Exeter	12.50	13.0	2.50	2.7	11.00	8.7
Purina Eggena	Manchester	16.00	17.2	3.50	4.5	7.00	6.6
Purina Layena Complete Ration E	Colebrook	16.50	16.8	3.50	5.8	4.50	3.7
Purina Medicated Chekr-Aid	Concord	20.00	19.6	4.50	5.6	4.50	3.5
Purina Milk Chow D 16	Manchester	16.00	16.2	2.50	3.3	10.00	6.0
Purina Omolene	Manchester	10.00	11.1	3.00	4.0	9.00	5.8
Purina Poultry Booster Chow	Nashua	24.00	24.7	2.50	3.9	6.50	4.3
Purina Pullet Developer	Exeter	13.00	13.5	2.50	4.7	8.00	4.5
Purina Rabbit Chow Checkers (20%)	Nashua	20.00	20.0	2.00	2.6	16.00	14.8
Purina Roaster Chow	Manchester	17.00	15.8	4.00	5.1	6.50	2.8
Purina Roaster Chow (GC)Medicated	Manchester	17.00	17.1	4.00	5.3	6.50	3.3
**(F)Purina Super Chick Startena 3GC Med.	Canterbury	23.00	22.1	4.50	5.1	4.00	3.6
Purina Super Chick Startena 3NC #2	Colebrook	23.00	23.7	4.50	4.8	4.00	3.2
Purina Super Chick Startena 3NC #2 Medicated	Concord	23.00	23.2	4.50	4.9	4.00	3.2
/Purina Turkey Breeder Developer HZ Med.	Manchester	14.00	14.8	3.00	4.1	10.00	5.6
Purina Turkey Breeder Layena	Manchester	18.00	18.6	3.00	3.8	6.50	4.5
Purina Turkey Breeder Layena (NH) Medicated	Manchester	18.00	18.3	3.00	4.3	6.50	5.3
Purina Turkey Fatena	Manchester	17.00	17.00	3.50	4.2	5.50	4.0
Purina Turkey Fatena (NH) Med.	Manchester	17.00	17.4	3.50	4.0	5.50	4.8
Purina Turkey Finisher (NH) #1 Med.	Manchester	15.00	17.2	4.00	5.3	4.50	3.5
Purina Turkey Finisher (#2 NH)Med.	Manchester	13.50	13.8	4.00	5.5	4.00	3.3
Purina Turkey Startena Sq. Med.	Manchester	28.00	29.5	3.00	3.8	5.50	4.3
John Reardon & Sons Cambridge, Massachusetts							
Register Brand Fish Meal	Concord	58.00	58.0	5.00	8.2	1.00	0.2
/Register Brand 47% Protein meat & Bone Scrap	Concord	47.00	46.0	8.00	10.5	----	---
/Register Brand 47% Protein Meat & Bone Scrap	Concord	47.00	44.4	8.00	13.1	----	---
Robin Hood Flour Mills Montreal, Canada							
/Superior Wheat Bran	Lancaster	14.00	16.7	3.50	4.4	11.50	10.6
Russell-Miller Milling Co. Minneapolis 15, Minnesota							
Occident Wheat Bran	Claremont	14.50	16.4	4.00	4.5	11.00	10.6
Occident Wheat Standard Middlings/ GSW	Claremont	15.00	16.6	4.00	5.2	9.50	8.6
Salada, Shirriff, Horsey, Inc. Plant City, Florida							
Horsey Brand Dried Citrus Meal	Bow	5.00	6.4	2.00	1.4	15.00	12.4
Schenley Distillers, Inc. N. Y., N. Y.							
Schenley Corn Distillers Dried Grains with Solubles	Keene	24.00	25.9	5.00	7.4	13.00	8.5

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(F) Sampled at a Farm
** Sampled from Bulk Shipment

TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Schoeneck Farms Nazareth, Pennsylvania							
Schoeneck 17% Super Green Dehydrated Alfalfa Pellets	Keene	17.00	18.7	2.00	3.0	27.00	24.1
Seaboard Supply Co. Philadelphia 46, Pennsylvania							
/Dried Tomato Pomace	Greenfield	20.00	21.6	10.00	13.5	34.00	32.7
Joseph E. Seagram & Sons, Inc. New York, N. Y.							
Seagram's Corn Distillers Dried Grains	Concord	24.00	27.1	8.00	8.8	14.00	12.1
Searle Grain Co. Minneapolis, Minn.							
/Pulverized White Oats	Manchester	11.00	11.1	4.00	4.6	13.00	14.4
Sherwood Feed Mills, Inc. Baltimore, Maryland							
/Brewer's Dried Grains	Keene	26.00	24.4	6.00	6.4	15.00	11.9
Allen V. Smith, Inc. Marcellus Falls, N. Y.							
Smith's Barley Feed	Keene	13.00	11.5	2.00	3.4	15.00	14.0
South End Grain, Inc. Manchester, N. H.							
Superior Booster Broiler (2A)Med.	Manchester	24.00	24.0	6.00	6.1	3.50	3.4
Superior Capon Feed (1B) Med.	Manchester	16.00	17.2	3.00	4.1	4.50	4.1
/Superior Pullet Ration (4D) Med.	Manchester	16.00	17.6	3.00	4.1	4.50	3.8
Southern Fruit Dist. Inc. Orlando, Florida							
Bluebird Citrus Pulp	Claremont	6.00	5.7	3.50	5.4	17.00	15.7
F. B. Spaulding Co. Lancaster, N. H.							
Pilot 16% Dairy Ration	Lancaster	16.00	16.8	3.00	3.3	9.00	6.4
Pilot 16% Dairy Ration	Lancaster	16.00	17.8	3.00	3.3	9.00	7.4
Pilot 18% Dairy Ration	Lancaster	18.00	17.6	3.00	3.0	9.00	6.5
Pilot 18% Dairy Ration	Lancaster	18.00	16.3	3.00	3.0	9.00	7.5
Provender	Lancaster	10.00	10.1	3.50	3.9	9.00	5.4
Provender	Lancaster	10.00	10.8	3.50	3.8	9.00	5.1
"Real" Hog Grower & Fattener	Lancaster	14.00	14.9	3.50	3.7	5.50	4.2
Spauldings 16% Dairy Ration	Lancaster	16.00	15.1	3.00	3.2	9.00	7.6
Spaulding's 16% Dairy Ration	Lancaster	16.00	16.9	3.00	3.2	9.00	6.8
Spaulding's 20% Dairy Ration	Lancaster	20.00	20.1	2.75	3.2	9.00	8.6
Spaulding's 20% Dairy Ration	Lancaster	20.00	18.3	2.75	3.2	9.00	7.6
Spaulding's Fitting Ration	Lancaster	12.00	13.1	3.25	3.4	9.00	7.9
Spaulding's Fitting Ration	Lancaster	12.00	13.0	3.25	3.3	9.00	7.9
Spaulding's Horse Feed	Lancaster	10.00	11.6	3.25	3.5	9.00	8.7
Spencer-Kellogg & Sons, Inc. Minneapolis, Minnesota							
Spencer Kellogg's 32% Old Process Linseed Oil Meal	Concord	32.00	34.8	3.50	4.3	10.50	8.1

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer / Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff: Protein Guaranteed*	Protein Found	Fat Guaranteed*	Fat Found	Crude Fiber Guaranteed*	Crude Fiber Found
A. E. Staley Manufacturing Co. Decatur, Illinois							
Hi-Pro-Con 50% Protein Dehulled Sol. Ext. Soybean Oil Meal	Manchester	50.00	51.0	0.50	0.5	3.00	2.7
/Staley's Corn Gluten Meal	Potter Place	41.00	44.0	1.00	2.1	6.00	3.5
Staley's 21% Corn Gluten Feed	Potter Place	21.00	21.7	1.50	3.3	8.00	7.7
Staley's 44% Protein Sol. Ext. Soybean Oil Meal	Potter Place	44.00	44.9	0.50	0.6	7.00	7.8
Standard Feed & Fertilizer, Inc. Milwaukee 12, Wisconsin							
Wheat Standard Middlings with Animal Fat Added	Bow	11.00	14.2	28.00	27.0	7.00	6.8
F. W. Stock & Sons Hillsdale, Michigan							
/Stock's Standard Wheat Middlings/ GWS	Suncook	14.00	16.1	4.00	4.6	9.50	5.8
Suni Citrus Products Co. Haines City, Florida							
(F)Suni Citrolas Crumbles	Woodsville	6.25	6.7	2.50	2.2	15.75	15.1
Sweet Suni-Citrus Pulp	Manchester	6.00	6.5	3.50	6.8	15.00	14.1
Sweet Suni-Citrus Pulp	Manchester	6.00	6.2	3.50	4.7	15.00	15.0
Sunshine Biscuit, Inc. Grafton, Ohio							
/UMC Wheat Bran	Potter Place	13.00	15.1	3.00	3.3	11.00	10.3
/UMC Wheat Middlings with Ground Screenings	Potter Place	14.00	15.9	3.50	4.0	9.50	7.5
United Cooperative Farmers, Inc. Fitchburg, Massachusetts							
(F)UCF 16% (Plus A) Dairy	New Ipswich	16.00	17.2	3.50	4.6	9.00	8.4
(F)UCF Dry & Freshening Ration	New Ipswich	11.00	14.2	2.50	3.5	12.00	10.9
(F)UCF Fitting Ration	New Ipswich	14.00	14.4	3.50	3.9	9.00	7.2
**(F)UCF Hi NRG All Mash Grower and Layer (Med.)	New Ipswich	16.50	17.5	5.00	5.4	4.50	4.0
Unity Feeds, Inc. Manchester, N. H.							
**(F)Breeder Mash	Derry	20.00	20.1	3.00	5.7	6.00	5.0
**(F)16% Dairy Ration	Hillsboro	16.00	16.7	3.50	3.8	9.00	7.4
High Energy Growing & Laying Mash Crumbles	Manchester	15.00	16.4	4.00	3.8	4.00	4.5
**(F)Trim A complete Ration Med.	Kingston	15.50	15.8	3.00	3.9	6.00	5.0
**(F)Trim A Complete Ration Med. (3N-4-H)	Derry	15.50	16.4	3.00	4.1	6.00	5.3
/Turkey Finishing Pellets	Manchester	14.00	14.1	3.00	4.2	7.00	4.7
(F)Turkey and Game Bird Breeder Mash	Brentwood	24.00	22.6	3.00	4.0	6.00	5.2
(F)Turkey & Game Bird Super Ration Med.	Brentwood	28.00	26.0	3.00	5.9	4.00	4.2
**(F)Unity Feeds Dairy & Fitting Ration	Contoocook	14.00	13.7	3.50	3.7	9.00	7.8
**(F)Unity Feeds 20% Dairy	Brentwood	20.00	21.0	3.50	3.6	9.00	8.3
**(F)Unity Feeds 20% Dairy Ration	Amherst	20.00	21.4	3.50	3.6	9.00	7.9
Unity Feeds Growing and Laying Mash	Manchester	20.00	18.6	3.00	4.0	6.00	5.6
Unity Feeds High Energy Breeder Mash	Manchester	16.00	16.6	3.00	4.9	4.00	4.0

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Unity Feeds, Inc. Cont.							
Unity Feeds High Energy Laying Mash	Manchester	15.00	15.2	3.50	3.9	4.00	4.0
Unity Feeds Pig & Hog Ration	Manchester	17.00	17.5	3.00	4.1	6.00	4.9
Unity Feeds Super Starter Med.	Manchester	20.00	20.6	3.00	5.0	4.00	3.6
Unity Feeds, Unity Improved Calf Ration	Manchester	20.00	20.4	3.50	6.0	6.00	5.8
**(F)4-Way Mash	Londonderry	15.00	15.5	3.50	4.2	7.00	6.4
Universal Grain Co. of N. J. Newark, N. J.							
⁄Superior Cow Brand Dried Brewer's Grains	Bow	26.00	26.2	6.00	4.7	17.00	11.5
George Urban Milling Co. Buffalo, N. Y.							
⁄Wheat Standard Middlings	Lancaster	15.00	18.7	3.50	4.2	9.50	6.6
H. K. Webster Co. Richmond, Vt.							
**(F)Blue Seal All Mash Breeder Pellets	Canterbury	16.00	16.3	3.50	4.1	3.50	2.6
**(F)Blue Seal All Mash Breeder Ration	Canterbury	16.00	16.1	3.50	4.1	3.50	2.4
**(F)Blue Seal All Mash Breeder's Ration	Concord	16.00	16.2	3.50	4.0	3.50	2.6
Blue Seal All Mash Egg Ration	Goffstown	16.00	15.8	3.00	3.7	3.50	2.9
Blue Seal All Mash Grow and Lay	Chichester	16.00	16.3	3.00	3.6	4.50	4.0
Blue Seal All Mash Growing Ration	Chichester	16.00	16.3	3.00	3.7	3.50	3.0
Blue Seal Chick Starter Medicated	Chichester	20.00	20.1	3.50	3.9	4.50	3.5
Blue Seal Coarse 16 Dairy Ration	Chichester	16.00	16.0	3.50	3.7	9.00	8.4
Blue Seal Coarse 20 Dairy Ration	Laconia	20.00	20.8	3.00	3.4	8.00	5.6
Blue Seal Fitting Ration	Chichester	14.00	15.8	3.50	3.5	9.00	8.0
Blue Seal Horse Feed	Chichester	10.00	12.2	3.00	3.3	9.00	5.4
⁄Blue Seal Medicated Chick Booster	Goffstown	20.00	20.2	4.00	3.5	4.00	3.2
⁄Blue Seal Medicated Oro-Mix	Laconia	20.00	25.3	3.50	3.5	3.50	3.1
Blue Seal Medicated Poultry Zest	Goffstown	20.00	20.8	4.00	4.4	4.00	3.0
Blue Seal Pig Feed	Colebrook	15.00	15.0	4.00	5.3	6.00	4.5
Blue Seal Poultry Wormer	Concord	16.00	17.0	3.50	4.4	4.00	3.3
Blue Seal Scratch Feed	Laconia	9.50	9.8	2.50	2.9	4.00	2.6
Blue Seal Standard 16 Dairy Ration	Colebrook	16.00	16.0	3.50	4.6	9.00	7.9
Blue Seal Standard 20 Dairy Ration	Colebrook	20.00	20.5	3.50	4.3	9.00	6.0
**(F)Blue Seal Standard 14 Dry Cow Fitting Ration	Epsom	14.00	14.0	3.50	3.9	9.00	8.0
**(F)⁄Blue Seal Super Breeders Mash	Derry	20.00	20.7	4.00	3.7	3.50	2.7
Blue Seal Test Ration	Goffstown	18.00	18.0	3.50	3.6	9.00	7.6
Western Condensing Co. Appleton, Wisconsin							
(F)Peebles 10-28 Super Calf Kit	Brentwood	28.00	28.5	10.00	11.0	3.20	2.5
Whitmoyer Labs., Inc. Myerstown, Pennsylvania							
Whitmoyer C. L. O. Meal	Potter Place	38.00	40.9	10.00	8.2	3.75	4.2
⁄Whitmoyer Quality 56% Fish Meal with Dried Fish Solubles	Keene	56.00	60.3	5.00	6.5	2.00	0.1

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TABLE II - ANALYSIS OF MIXED FEEDS AND FEED INGREDIENTS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein		Fat		Crude Fiber	
		Guaranteed*	Found	Guaranteed*	Found	Guaranteed*	Found
James Wilson & Sons, Ltd. Fergus, Canada							
⁄Wilson's Pulverized Oat Hulls	Bow	4.00	4.4	1.00	1.6	30.00	27.7
Winslow Feed Co., Inc. Concord, N. H.							
⁄Big W Breeder	Concord	22.00	22.0	3.50	3.3	6.00	3.9
Big W Fore-Runner Medicated	Concord	20.00	22.0	4.00	4.8	4.50	3.9
Big W Fore-Runner Medicated	Concord	20.00	21.9	4.00	4.3	4.50	3.5
Big W Grower-Layer	Concord	20.00	20.7	4.00	4.6	6.00	4.4
Big W Grower-Layer	Concord	20.00	20.0	4.00	4.2	6.00	5.0
Big W Hi-Efficiency Breeder	Concord	16.00	16.0	4.00	4.7	4.00	3.8
Big W Hi-Efficiency Breeder Med.	Concord	16.00	16.3	4.00	4.3	4.00	3.4
Big W Hi-Efficiency Grower Layer	Concord	16.00	16.0	4.00	4.6	4.50	4.0
Big W Hi-Efficiency Grower Layer Med.	Concord	16.00	16.5	4.00	4.1	4.50	3.4
Winslow's Coarse Dairy	Concord	15.00	15.4	3.50	4.0	10.00	7.4
Wirthmore Feeds, Inc. Waltham, Mass.							
Wirthmore Broiler Starter 407 Med.	Nashua	25.00	25.1	8.00	8.6	3.50	2.8
Wirthmore Chick Starter 400 Med.	Nashua	20.00	20.3	4.00	4.4	5.00	4.8
Wirthmore Coccidiosis Treatment Ration 411	Nashua	22.00	22.8	5.50	5.5	4.00	3.2
**(F)Wirthmore Complete Breeder Ration	Walpole	15.00	16.0	3.50	4.2	6.00	5.1
**(F)Wirthmore Complete Egg Ration	Concord	16.00	16.5	3.50	4.0	4.50	4.1
**(F)Wirthmore Complete Egg Ration	Exeter	16.00	16.2	3.50	4.1	4.50	4.4
**(F)Wirthmore Complete Growing Ration	Rye	13.50	15.0	3.00	4.3	7.00	6.4
Wirthmore 14 Dairy Fitting Feed	Lancaster	14.00	16.7	3.50	3.5	8.50	6.7
Wirthmore 16 Dairy Feed	Lancaster	16.00	16.4	3.50	3.6	9.00	7.4
**(F)Wirthmore 16 Dairy Feed (Fine)	Chester	16.00	16.8	3.50	3.8	9.00	7.6
**(F)Wirthmore 16 Dairy Record Feed	Contoocook	16.00	15.6	3.50	3.8	8.50	7.3
Wirthmore 18 Dairy Record Feed	Dover	18.00	19.1	3.50	3.8	8.50	7.8
Wirthmore 20 Dairy Feed	Lancaster	20.00	23.1	3.50	3.8	9.00	7.6
Wirthmore 32 Dairy Supplement	Lancaster	32.00	33.4	2.00	2.4	9.00	8.4
Wirthmore Fodder Greens	Hillsboro	10.00	10.2	2.00	1.7	18.00	17.1
Wirthmore Green Mountain 14 Fitting Feed	Potter Place	14.00	16.2	3.00	3.8	9.00	8.5
Wirthmore Green Mountain 20	Hillsboro	20.00	20.5	3.00	3.5	9.00	7.2
Wirthmore Green Mountain 20	Dover	20.00	20.3	3.00	3.2	10.00	7.1
**(F)Wirthmore Grow & Egg Mash	Exeter	20.00	22.1	4.00	4.2	5.00	4.8
Wirthmore Grow & Egg Mash 415 Med.	Milford	20.00	21.3	4.00	4.5	5.00	4.7
**(F)Wirthmore Hi-Ener-G 16	Derry	16.00	16.6	4.00	4.0	4.50	3.8
**(F)Wirthmore Hi-Ener-G Breeder	Tilton	16.00	17.2	3.50	4.5	4.50	3.6
Wirthmore Hog Grower	Plymouth	15.00	15.0	4.00	4.0	6.00	3.5
Wirthmore Horse Feed	Plymouth	10.00	12.8	3.50	3.6	9.00	5.2
**(F)Wirthmore Improved Hi-Ener-G Broiler Ration 404 Med.	Ipswich	22.00	26.2	5.50	6.7	3.50	2.8
Wirthmore Medicated Broiler Perk 406	Milford	22.00	20.9	5.50	7.6	4.00	3.3
Wirthmore Medicated Quickies	Milford	20.00	20.1	3.50	5.2	4.50	4.1
Wirthmore Pig and Sow Feed Med.	Plymouth	17.00	17.8	3.50	3.8	6.00	4.8
Wirthmore Roaster Finisher 426 Med.	Dover	17.00	18.8	4.50	4.5	4.00	3.0
Wirthmore Scratch	Nashua	9.00	9.2	2.50	3.5	4.00	3.9
Wirthmore Super Pellets	Lancaster	23.00	24.0	3.50	3.9	5.50	5.4
Wirthmore Turkey Growing Ration	Dover	23.00	25.1	3.50	5.3	6.00	5.5

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Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Wirthmore Feeds Inc. Cont.							
Wirthmore Twin-Mix Calf Feed Pellets	Hillsboro	18.00	18.7	3.00	3.6	8.00	4.8
Wirthmore Stores							
Concord, N. H.							
Hygrade Breeders Mash	Concord	20.00	20.0	3.50	4.4	6.50	6.2
Hygrade Broiler Ration Medicated	Concord	20.00	20.8	3.00	4.4	4.50	3.9
Hygrade Chick Starter Medicated	Concord	20.00	20.0	3.00	4.4	6.50	5.5
**(F)Hygrade Complete Breeder	Concord	16.00	16.7	3.50	4.5	6.50	5.6
**(F)Hygrade Complete Breeder	Londonderry	16.00	16.1	3.50	5.0	6.50	5.2
Hygrade Complete Grower Layer	Concord	16.00	16.7	3.50	4.3	6.50	6.1
**(F)Hygrade 14% Fitting Ration	Contoocook	14.00	14.1	3.50	3.6	9.00	6.4
(F)Hygrade 16% Dairy	Manchester	16.00	17.5	3.50	3.5	9.00	5.8
**(F)Hygrade 16% Dairy	Contoocook	16.00	15.8	3.50	3.7	9.00	8.6
(F)Hygrade 16% Dairy	Concord	16.00	16.7	3.50	4.1	9.00	7.8
**(F)Hygrade 16% Dairy	Concord	16.00	16.1	3.50	3.5	9.00	8.4
**(F)Hygrade 20% Dairy	Brentwood	20.00	21.4	3.50	3.7	9.00	7.2
**(F)Hygrade High Energy Breeder	Kingston	16.00	16.3	3.00	4.5	4.50	3.8
**(F)Hygrade High Energy Breeder	Kingston	16.00	16.1	3.00	4.1	4.50	4.0
**(F)Hygrade High Energy Grower & Layer	Claremont	16.00	16.2	3.00	4.8	4.50	4.5
(F)Hygrade High Energy Grower & Layer	Concord	16.00	16.4	3.00	4.4	4.50	3.3
(F)Hygrade High Energy Grower Med.	Concord	16.00	16.6	3.00	4.2	4.50	3.6
Hygrade Horse Feed	Concord	10.00	11.1	3.00	3.6	10.00	7.6
(F)Hygrade Pig Feed	Concord	16.00	16.9	3.50	5.1	7.00	6.9
(F)Hygrade Pig Feed	Manchester	16.00	16.5	3.50	4.6	7.00	7.0
Yieldmor Feeds, Inc.							
Piqua, Ohio							
/Yieldmor 16% Growing Mash	Derry	16.00	15.0	3.00	4.8	5.50	4.6
/Yieldmor 20% Caponette Feed F-20 Med.	Derry	20.00	20.0	2.50	4.9	3.50	3.7
Yieldmor 20% Caponette Feed F-39 Med.	Derry	20.00	20.9	4.50	4.6	3.50	3.8
Yieldmor 20% Super Finished Med. F-125	Milford	20.00	21.3	7.50	6.8	3.50	2.6
/Yieldmor 24% Super Broiler Med. B-39	Milford	24.00	24.2	7.50	7.5	4.00	2.8
Yieldmor Caponette Finishing Feed F-15 (Med.)	Derry	18.00	17.5	4.50	5.2	5.50	5.1
/Yieldmor High Efficiency All Mash Breeder	Derry	16.00	16.5	4.50	5xxx	4.50	3.6

* Protein and Fat not less than, crude fiber not more than.
/ Not Registered when Sampled
(F) Sampled at a Farm
** Sampled from Bulk Shipment

TABLE III - CAT AND DOG FOODS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Albers Milling Co. Los Angeles, California							
/Friskies Dog Food	Concord	10.00	10.2	2.50	3.9	1.00	0.6
Allen Products Co. Allentown, Pennsylvania							
Al Po Dog Food Beef & Beef By-Products	Nashua	13.50	15.5	7.00	11.9	1.50	0.3
Armour & Co. Chicago, Illinois							
Dash Dog Food	Concord	10.00	10.4	2.50	3.4	1.00	0.5
Bonnie Dog Food Co. Sacramento, California							
Bonnie for Cats	Portsmouth	23.00	28.7	2.00	10.6	2.00	0.1
Calo Dog Food Co. Oakland, California							
Calo Cat Food	Sunapee	10.00	11.9	3.00	4.5	1.00	0.7
Calo Dog Food	Lebanon	10.00	10.1	3.00	5.7	1.00	0.9
Calo Horsemeat for Dogs & Cats	Dover	15.00	14.6	6.00	10.9	1.00	0.3
Coast Fisheries, Div. of Quaker Oats Co. Chicago, Illinois							
Puss'N Boots Cat Food	Concord	12.00	12.3	2.00	5.5	1.50	0.4
Consolidated Foods Corp. Chicago, Illinois							
Spunky Dog Food	Lebanon	10.00	10.1	2.00	1.5	1.50	1.2
Deep Run Packing Co. Dublin, Pennsylvania							
Big Bet 100% Horsemeat Dog Food	Franklin	15.00	15.8	6.00	12.2	1.50	0.2
Big Bet Ration Dog Food	Nashua	10.00	14.7	3.00	3.2	1.50	1.3
/Rodeo Dog Food	Nashua	8.00	6.5	2.00	2.9	1.50	1.0
/Smithy's Dog Food 100% Horsemeat	Nashua	14.50	10.4	5.00	11.5	1.50	0.2
Delham Food Products Co., Inc. Brighton, Massachusetts							
Kim's 100% Horsemeat Dog Food	Nashua	16.00	17.5	5.00	11.4	0.05	0.04
Doyle Packing Co. Long Branch, N. J.							
Strongheart Dog Food	Laconia	8.00	9.8	2.00	2.4	1.50	1.3
Eastern States Farmers Exchange W. Springfield, Massachusetts							
Eastern States Dog Feed	Woodsville	24.00	27.4	6.00	7.2	3.50	2.4
Evans Industries, Inc. Marion, Indiana							
/Greyhound 100% Horsemeat & Gravy	Newport	15.00	15.5	3.50	6.0	1.00	0.3
/Prime Pet Food	Claremont	8.00	9.4	2.00	1.4	1.50	0.8
Foodland Inc. Cleveland, Ohio							
Friendly Dog & Cat Food	Franklin	8.00	9.2	1.50	1.1	2.00	1.4
/Mrs. Lanes Cat Food	Franklin	13.00	16.8	0.50	1.0	0.10	0.05

* Protein and fat not less than, crude fiber not more than.
/ Not Registered when Sampled

TABLE III - CAT AND DOG FOODS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Foodland, Inc. Cont.							
/Mrs. Lanes Dog Food	Lakeport	9.00	10.5	1.50	3.1	1.25	1.1
Food Products Co. of America Chicago, Illinois							
/Captain Dog Food	Contoocook	15.00	15.6	3.50	13.8	1.00	0.2
Dog House Dog & Cat Food	Laconia	10.00	10.4	2.00	2.3	1.50	1.5
Foster Canning Co. Napoleon, Ohio							
Snappy Dog Food	Portsmouth	9.00	9.0	1.00	1.3	1.50	1.3
R. T. French Co. Rochester 9, N. Y.							
Klix Dog Treat	Portsmouth	25.00	27.1	12.00	12.4	5.00	2.1
French Sardine Co. Terminal Island, California							
Nine Lives Pet Food	Concord	22.50	23.3	2.00	6.1	1.00	0.1
General Foods, Corp. Battle Creek, Mich.							
Gaines Dog Menu	Concord	10.50	11.9	2.50	3.2	1.00	0.5
Gaines Dog Menu AA	Concord	10.50	11.3	2.50	3.1	1.00	0.6
Gaines Homogenized Meal	Dover	25.00	25.5	6.00	6.4	5.00	4.5
New Jack & Jill Cat Food	Concord	12.00	15.0	2.00	2.7	0.70	0.4
Great Atlantic & Pacific Tea Co. Minneapolis, Minnesota							
Daily Bone Shape Dog Biscuit	Claremont	22.00	22.5	3.00	3.2	3.50	3.0
Daily Cat Food	Concord	11.00	14.0	2.00	2.6	1.50	0.8
Dally Dog Food-Diet 1-Meat Flavor	Concord	12.00	12.0	3.00	3.0	1.50	0.9
Daily Dog Food-Diet2-Fish Flavor	Concord	12.00	16.4	3.00	4.0	1.50	1.2
Daily Dog Food-Diet 3-Liver Flavor	Concord	12.00	12.4	3.00	3.3	1.50	0.7
Hartz Mountain Product Co. N. Y., N. Y.							
Hartz Dog Yummies	Canaan	26.00	28.5	3.00	6.6	6.00	2.6
Hill Pet Food Div. Topeka, Kansas							
Hills Dog Food	Portsmouth	12.00	12.2	3.00	6.8	1.00	1.0
Hills Horsemeat and Meat By-Products for Dogs & Cats	Concord	16.00	17.4	4.00	8.4	1.00	0.2
Hills Puppy Food	Portsmouth	12.00	12.2	9.00	10.6	1.00	0.5
/Hills Special Pack for Dogs & Cats	Portsmouth	16.00	27.9	4.00	15.7	0.50	0.4
Irving Canning Inc. Boston, Mass.							
/Cop-E-Cat Cat Food	Claremont	12.00	14.1	2.00	2.8	1.00	0.4
Kasco Mills Toledo, Ohio							
/Kasco Dog Pellets	Hudson	25.00	27.8	4.00	6.1	4.00	2.3
Kellogg Co. Battle Creek, Michigan							
Gro-Pup T-Bone Form Dog Biscuits	Claremont	25.00	25.7	8.00	8.9	5.00	3.7

* Protein and fat not less than, crude fiber not more than.
/ Not Registered when Sampled

TABLE III - CAT AND DOG FOODS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Massachusetts Canning Corp. Boston, Massachusetts							
Imp Cat Food	Concord	14.00	16.8	0.50	0.9	0.10	0.1
⁄Mack's Brand Cooked Beef Dog & Cat Food	Nashua	14.00	14.2	4.00	13.5	0.50	0.4
⁄Mack's Brand Cooked Horsemeat Dog & Cat Food	Concord	14.00	15.3	6.00	14.4	0.70	0.2
Dr. Melody, D. V. M. Assoc. Dublin, Pennsylvania							
⁄Dr. Melody Cat Food	Claremont	10.00	15.0	2.00	4.2	1.50	0.8
Dr. Melody Dog Food-50% Meat	Contoocook	10.00	10.6	3.00	2.6	1.50	1.1
⁄Dr. Melody Dog Food-100% Beef	Contoocook	15.00	14.6	6.00	12.8	1.50	0.1
Dr. Melody Dog Food-100% Horsemeat	Lebanon	15.00	14.3	6.00	12.8	1.50	0.2
⁄Dr. Melody Dog Food-Horsemeat & Meat By-Products with Gravy	Contoocook	12.00	13.2	6.00	13.7	1.50	0.2
Dr. Melody Dog Food-Meat, Vegetables, Kibbled Biscuit with Beef Liver & Beef Broth	Contoocook	10.00	11.2	6.00	5.4	1.50	0.9
S. E. Mighton Co. Bedford, Ohio							
⁄Valor Dog Food	Lakeport	10.00	10.5	2.00	2.0	1.50	1.4
National Biscuit Co. N. Y., N. Y.							
Milk Bone Brand Dog Biscuit	Portsmouth	22.00	25.0	5.00	5.8	3.00	3.0
Pal Dog Dinner	Portsmouth	24.50	28.4	6.00	6.2	3.00	2.8
National Packing Co. Boston, Massachusetts							
⁄Kittysnicker Cat Food	Nashua	10.00	10.2	2.00	5.3	1.00	0.2
Old Mother Hubbard Dog Food Co. Gloucester, Massachusetts							
Old Mother Hubbard All Breed Dog Food	Manchester	12.00	11.3	2.00	3.3	1.00	0.6
Original Old Mother Hubbard Fish Cat Food	Nashua	15.50	17.4	0.25	0.6	1.00	0.05
Orleans Canning Co. Chicago 5, Illinois							
Orleans Dog Food	Nashua	13.00	13.2	6.00	7.4	1.50	0.2
T. Passarini Co. Newton, Massachusetts							
Golden Twins Fish & Liver Cat Food	Nashua	15.00	14.2	0.20	1.4	1.50	0.1
8 in 1 Pet Products, Inc. Long Island City 1, N. Y.							
⁄Dog Crunchies	Manchester	32.00	32.7	4.00	6.4	4.50	4.4
Quaker City Packing Co., Inc. Allentown, Pennsylvania							
Quaker City Beef Dog Food	Nashua	13.00	13.0	9.00	9.5	1.00	0.1
Quaker Oats Co. Chicago, Illinois							
Ken L Ration Dog Food	Concord	10.00	10.3	4.00	5.2	1.00	0.4

* Protein and fat not less than, crude fiber not more than.
⁄ Not Registered when Sampled

TABLE III - CAT AND DOG FOODS

Manufacturer Brand	Sampled in	Pounds in 100 lbs. of Feedingstuff Protein Guaranteed*	 Found	 Fat Guaranteed*	 Found	 Crude Fiber Guaranteed*	 Found
Re-Dan Packing Co. Ozone Park, Long Island, N. Y. Cadet Dog Food	Boscawen	8.00	11.1	2.00	2.6	1.25	1.2
Red Heart Div., John Morrell & Co. Chicago 4, Illinois Morrell Red Heart Dog Food - Fish Flavor	New London	10.50	19.8	2.50	8.7	1.00	0.9
Red & White Corp. Chicago, Illinois Kenilworth Brand Dog Food	Enfield	25.00	24.5	6.50	5.8	5.00	3.4
Rival Packing Co. Chicago 32, Illinois Rival Cat Food	Tilton	12.00	12.2	2.00	2.0	1.50	1.3
Spratt's Newark, N. J. Spratt's Assorted Dog Biscuits	Claremont	21.00	21.6	3.00	2.6	1.75	1.7
Standard Brand Inc. N. Y., N. Y. Walter Kendall Hunt Club Dog Dinner	Dover	20.00	20.8	4.00	5.2	3.50	2.2
Swift & Co. Chicago, Illinois Swift's Pard Beef Flavor Dog Food	Nashua	10.50	10.5	2.50	5.1	1.00	0.5
Swift's Pard with Beef Gravy	Portsmouth	10.50	10.5	2.50	2.5	1.00	0.2
Thrivo Co., Inc. Philadelphia 23, Pennsylvania Scamp Dog Food	Boscawen	8.00	9.4	1.50	1.5	1.50	1.0
Timerson Canning Co. Fair Haven, N. Y.							
Flip Dog & Cat Food	Portsmouth	8.00	9.0	2.50	5.2	1.50	1.5
Timco Cat Food	Portsmouth	12.00	8.7	2.50	4.8	1.25	0.3
Timco Dog & Cat Food	Concord	12.00	17.4	2.50	4.6	1.25	1.1
Timco Horsemeat Dog Food	Portsmouth	16.00	14.5	2.50	8.6	0.50	0.3
Usen Canning Co. Boston, Massachusetts							
/Tabby All Fish Cat Food	Tilton	15.00	16.2	0.30	1.0	0.30	0.1
/Tabby Meat Flavor Cat Food	Nashua	14.00	16.3	2.00	2.0	1.00	0.4
Vets. Div; Perk Dog Food Co. Chicago, 10, Illinois Vets Dog Food	Claremont	10.00	10.5	2.00	2.6	1.50	1.2
Whiz Pet Food Co. Seattle, Washington Kitty Salmon Peet Food	Nashua	12.00	12.5	2.00	16.0	0.25	0.1
Wilson & Co. Inc. Chicago, Illinois Ideal Dog Food	Concord	10.00	11.4	2.00	6.1	1.00	0.6

* Protein and fat not less than, crude fiber not more than.
/ Not Registered when Sampled

TABLE IV

ARSANILIC ACID IN MIXED FEEDS

Manufacturer Brand	Percent Guaranteed	Found
Allied Mills, Inc.		
Wayne Breeder (114) Medicated	0.015	0.013
Wayne Complete Egg (131) Medicated Krums	0.010	0.014
Wayne Hog Finisher (765) Medicated	0.010	0.010
Wayne Universal Breeder (118) Medicated	0.010	0.009
Wayne Universal Egg (128) Medicated Krums	0.010	0.015
Wayne Tail Curler Medicated	0.010	0.007
Beacon Milling Co.		
Be-Co Breeder A Medicated	0.009	0.009
Beacon Broiler Finisher NCA Medicated	0.009	0.009
Eastern States Farmers' Exchange, Inc.		
All Mash Breeder Medicated	0.0099	0.0080
Broiler-Grower Medicated	0.0099	0.0100
Matchmaker Medicated	0.0132	0.0119
Pacemaker Medicated	0.0099	0.0100
Pork Gainer Medicated	0.0099	0.0087
E. C. & W. L. Hopkins, Inc.		
Granite State Broiler Mash	0.0088	0.0080
H. K. Webster Co.		
Blue Seal Chick Starter Medicated	0.0100	0.0180
Blue Seal Pig Feed	(Not guaranteed)	0.0090
Maritime Milling Co.		
Super Ma-Co Broiler Ration Crumb Medicated	0.010	0.010
Merrimack Farmers' Exchange, Inc.		
Merrimack Complete Grower and Layer Medicated	0.009	0.009
Merrimack Fast-Gro Starter and Broiler Medicated	0.010	0.009
Merrimack Hi-F Grower-Layer Medicated	0.009	0.008
United Co-Operative Farmers' Inc.		
UCF Hi NRG All Mash Grower and Layer Medicated	0.0099	0.0080
Park and Pollard Co., Inc.		
Super Hi-Power Broiler-Finisher Medicated	0.0100	0.0100
Super Hi-Power Broiler-Finisher Medicated	0.0100	0.0100
Winslow Feed Co.		
Big W Fore-Runner Medicated	0.0090	0.0046
Big W Hi-Efficiency Breeder Medicated	0.0090	0.0030
Big W Hi-EF Grower Layer Medicated	0.0090	0.0090

TABLE V

3-NITRO 4-HYDROXYPHENYLARSONIC ACID IN MIXED FEEDS

Manufacturer Brand	Percent Guaranteed	Found
Allied Mills, Inc.		
Wayne Chick Starter (133) Medicated	0.0025	0.0023
Wayne Rocket Broiler Finisher (196) Medicated	0.005	0.0052
Beacon Milling Co.		
Beacon Starter-Broiler UN 3 Medicated	0.005	0.0058
Dean & Lee		
Pathfinder Medicated Jumbo Starter-Broiler (4A)	0.005	0.004
Pathfinder Medicated Hi-Energy Pathfinder Super-Finisher (4B)	0.005	0.004
Pathfinder Super Finisher Medicated	0.005	0.0052
Elmore Milling Co.		
Elmore Complete Breeder Mash (1A) Medicated	0.005	0.007
Elmore Restricted Grower	0.005	0.004
General Mills, Inc.		
Goldmedal Broiler Finisher (GC-AGS) Medicated	0.005	0.004
Larro Surebroiler Caponette 20 Medicated	0.005	0.005
Larro Surebroiler Caponette 20 Medicated	0.005	0.004
Larro Surebroiler Finisher 23x Medicated	0.0045	0.004
Larro Surebroiler Finisher 23 Medicated	0.0045	0.004
Larro Surebroiler Finisher Medicated	0.005	0.004
Larro Surebroiler Starter 26 Medicated	0.005	0.004
Larro Surebroiler Starter Medicated	0.005	0.005
Ralston Purina Co.		
Purina Broiler Chow Finisher (E) 3NC Medicated	0.005	0.005
Purina Broiler Chow Starter (E) 3NC Medicated	0.005	0.004
Purina Chick Starter UN Medicated	0.005	0.005
Purina Chick Starter NC Medicated	0.0025	0.0061
Purina Super Chick Startena 3NC #2	0.0025	0.0030
Purina Super Chick Startena 3NC #2 Medicated	0.0025	0.0023
Yieldmor Feeds, Inc.		
Yieldmore Caponette Finishing Feed F-15 (Medicated)	0.005	0.004
Yieldmore 20% Caponette Feed F-39 Medicated	0.005	0.006
Yieldmore 20% Caponette Feed F-20 Medicated	0.005	0.005
Yieldmore 20% Super Finisher Medicated F-125	0.005	0.006
Yieldmore 24% Super Broiler Medicated B-39	0.005	0.004

TABLE VI

NICARBAZIN IN MIXED FEEDS

Manufacturer Brand	Percent Guaranteed	Found
Beacon Milling Co.		
Beacon Broiler Finisher NCA Medicated	0.0125	0.0130
Beacon Complete Starter NC Medicated	0.01	0.0131
Dean & Lee		
Pathfinder Medicated Jumbo Starter-Broiler (4A)	0.0125	0.0063
Pathfinder Medicated Hi-Energy Pathfinder Super Finisher (4B)	0.0125	0.0070
E. C. & W. L. Hopkins, Inc.		
Granite State Broiler Mash	0.0125	0.0091
Granite State Medicated Booster	0.0125	0.0050
Eastern States Farmers' Exchange		
Pacemaker Medicated	0.0125	0.0117
Elm City Grain Co.		
Elm Tree Chick Starter (1A) Medicated	0.01	0.0126
Fowler Brothers, Inc.		
Sun Valley Hi-Energy Starter and Broiler Mash Medicated	0.0125	0.0100
General Mills, Inc.		
Larro Special Surechick	0.0125	0.0105
Larro Surebroiler Caponette 20	0.0125	0.0103
Larro Surebroiler Finisher 23-x (meal)	0.0125	0.0097
Larro Surebroiler Finisher 23-x (pellets)	0.0125	0.0101
Larro Surebroiler Finisher (NCB-AGS) Medicated	0.0125	0.0104
Larro Surebroiler Starter (NCB-AGS) Medicated	0.0125	0.0117
Larro Surebroiler Starter 26	0.0125	0.0108
Larro Surechick NCB Medicated	0.01	0.0093
Hales & Hunter Co.		
Red Comb Complete Grower Medicated	0.0125	0.0117
Red Comb Chick Starter Z Medicated	0.0125	0.0117
H. K. Webster Co.		
Blue Seal Medicated Chick Booster	0.0125	0.0062
Merrimack Farmers' Exchange, Inc.		
Merrimack Chick Starter Medicated	0.0125	0.0149
Merrimack Fast Gro Starter and Broiler	0.0125	0.0084
Merrimack Medicated High Level Antibiotic Mash	0.0125	0.0085
Merrimack Medicated High Level Antibiotic Mash	0.0125	0.0117
Park & Pollard Co., Inc.		
Super Hi-Power Broiler Finisher Medicated	0.0125	0.0117
Ralston Purina Company		
Purina Broiler Chow Finisher (E) 3NC Medicated	0.0125	0.0104
Purina Broiler Chow Starter (E) 3NC Medicated	0.0125	0.0082
Purina Chick Growena NC Medicated	0.01	0.0092
Purina Chick Startena NC Medicated	0.0125	0.0104
Purina Super Chick Startena 3NC #2	0.0125	0.0125
Purina Super Chick Startena 3NC #2 Medicated	0.0125	0.0104
South End Hay & Grain, Inc.		
Superior Booster Broiler (2A	0.0100	0.0108
Superior Capon Feed (1B)	0.0125	0.0090
Superior Pullet Ration (4D)	0.0125	0.0105

TABLE VI (Con't.)

NICARBAZIN IN MIXED FEEDS

Manufacturer Brand	Percent Guaranteed	Found
Unity Feeds, Inc.		
Unity Feeds Super Starter Medicated	0.01	0.0075
Winslow Feed Co.		
Big W Fore-Runner (Medicated)	0.0125	0.0136
Big W Fore-Runner (Medicated)	0.0125	0.0131
Wirthmore Feeds Co. (Concord)		
Hygrade Broiler Ration Medicated	0.0100	0.0097
Hygrade Chick Starter Medicated	0.0100	0.0123
Wirthmore Feeds Inc., (Waltham)		
Wirthmore Medicated Broiler Perk 406	0.0125	0.0108
Wirthmore Roaster Finisher 426 Medicated	0.0125	0.0126
Yieldmor Feeds, Inc.		
Yieldmor 20% Caponette Feed F-39 Medicated	0.0125	0.0117
Yieldmor 20% Caponette Feed F-20 Medicated	0.0125	0.0113
Yieldmor 20% Super Finisher Medicated F-125	0.0125	0.0103

TABLE VII

SULFAQUINOXALINE IN MIXED FEEDS

Manufacturer Brand	Percent Guaranteed	Found
Eastern States Farmers' Exchange Medicated Minuteman SQ	0.0500	0.0500
Elmore Milling Co., Inc. Elmore Complete Growing Ration (1S) Medicated	0.0500	0.0450
Merrimack Farmers' Exchange, Inc. Merrimack All Mash (Medicated)	0.0175	0.0170
Presto Grain Co. Presto Chick Starter (1A) Medicated	0.0150	0.0130
Ralston Purina Co. Purina Turkey Startena, Sq., Medicated	0.0175	0.0175
Unity Feeds Turkey and Gamebird Super Ration	0.0150	0.0110
H. K. Webster Co. Blue Seal Chick Starter	0.0175	0.0100
Wirthmore Feed Co. Hygrade High Energy Grower Medicated	0.0125	0.0130
Wirthmore Feeds, Inc. (Chas. M. Cox Co.)		
Wirthmore Complete Growing Ration, Medicated	0.0125	0.0110
Wirthmore Grow and Egg Mash 415	0.0250	0.0230
Wirthmore Chick Starter 400 Medicated	0.0175	0.0175
Wirthmore Coccidiosis Treatment Ration	0.1000	0.1150

TABLE VIII

UREA IN MIXED FEEDS

(Guaranteed in terms of "not more than __% equivalent crude protein from non-protein nitrogen)

Manufacturer Brand	Percent Guar. Not over	Found
Allied Mills, Inc.		
Sucrene 16% Dairy "P"	5.0	3.68
Sugarine 16% Dairy "E"	4.0	3.41
Eastern States Farmers' Exchange, Inc.		
Darimore	2.75	2.74
Darimore	2.75	2.76
Eastern States Diethylstilbestrol Mix incorporated in Eastern States Beefmix	17.0	11.47
Elmore Milling Co.		
Elmore Pacemaker Fitting Ration 14%	2.5	3.37
Merrimack Farmers' Exchange		
Merrimack Fodder Ration	1.5	1.70
16% Merrimack White Mountain Dairy	3.0	1.23
16% Merrimack White Mountain Dairy	3.0	2.32
16% Merrimack White Mountain Dairy	3.0	1.27
16% Merrimack White Mountain Dairy	3.0	1.40
16% Merrimack White Mountain Dairy	3.0	2.63
16% Merrimack White Mountain Dairy	3.0	1.58
16% Merrimack White Mountain Dairy	3.0	2.11
Merrimack White Mountain 20% Dairy Ration	3.0	2.94
Merrimack White Mountain 20% Dairy Ration	3.0	3.46
Park and Pollard Co.		
Green Acres 14%	4.0	0.00
Red Ribbon 16% Dairy Ration	2.7	0.83
Red Ribbon 16% Dairy Ration	2.7	0.84
Red Ribbon 20% Dairy Ration	5.3	4.38
Wirthmore Feeds, Inc.		
Wirthmore 32 Dairy Supplement	8.0	6.48

The following products were unregistered with the New Hampshire Department of Agriculture at the time they were found exposed for sale, but samples were not drawn. (List supplied by the Feed Control Supervisor).

BEST FEEDS & FARM SUPPLIES, INC. Joy Dog Food (Canned)	WASHINGTON, PENNA. 10-2-1.5
CALVERT DISTILLERS LTD. Corn Distillers Dried Grains	AMHERSTBURG, ONTARIO, CANADA 25-8-13
CLINTON CORN PROCESSING CO. Clinton CFS Concentrate No. 1	CLINTON, IOWA 25-1-9
CONSOLIDATED FOODS, INC. Mrs. Lane's Dog Food	NASHUA, NEW HAMPSHIRE 8-1.5-2
D. C. A. FOOD INDUSTRIES, INC. Domaco Pure Winter Wheat Bran	ELLICOTT CITY, MARYLAND 13.5-3.25-9.5
ECKHART MILLING COMPANY Ecko Pure Wheat Bran	CHICAGO 7, ILLINOIS 14-3.5-12
8-in-1 PET PRODUCTS CO. Dog Crunchies Cat Crunchies	LONG ISLAND CITY 1, NEW YORK 30-4-6 30-4-6
J. W. ESHELMAN & SONS Pennsy Laying Mash	LANCASTER, PENNSYLVANIA 20-3.5-75
F & S ALFALFA MILLS Triple A Alfalfa Meal	GRANITE CITY, ILLINOIS 13-1-33
HARPER FEED MILLS, INC. Harco Hi-Energy Finisher Mash Medicated	WASHINGTON, PENNSYLVANIA 20-5.5-3
ISMERT-HINCKE MILLING CO. I-H Pure Wheat Bran	KANSAS CITY, MISSOURI 15-3.5-11
KAL KAN FOODS, INC. Kal Kan Horsemeat with Gravy Dog Food	LOS ANGELES, CALIFORNIA 12.5-4-1
KELLOGG SALES COMPANY Kellogg's Hominy Feed	BATTLE CREEK, MICHIGAN 9.5-6-5
LADDIE BOY DOG FOOD CO. Laddie Boy Dog Food - Beef Chunks Laddie Boy Dog Food - Horsemeat Chunks	GLENDALE, L.I., NEW YORK 12.5-2.5-1.5 12.5-2.5-1.5
MINNESOTA LINSEED OIL COMPANY 34% Protein Solvent Extracted Linseed Oil Meal	MINNEAPOLIS 21, MINNESOTA 34-.5-10
RADIO FOODS CORPORATION Radio Dog & Cat Food	LAWRENCE, MASSACHUSETTS 9-1.5-1
RICHARDSON & SONS, LTD. Cottonseed Expeller Meal	TORONTO, ONTARIO, CANADA 47-5-10
SARGEANT CITRUS PRODUCTS Citrus Pulp	LAKELAND, FLORIDA 6-3-16
T. H. TAYLOR COMPANY Beaver Wheat Bran	CHATHAM, ONTARIO, CANADA 13.5-3-11.5
ULTRA-LIFE LABORATORIES, INC. Ultra-Life Calf Food Pellets	E. ST. LOUIS, ILLINOIS 21-2.5-7
WIRTHMORE FEEDS, INC. Wirthmore Crimped Oats & Rolled Barley	WALTHAM, MASSACHUSETTS 10-3-10